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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

January 1995
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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January increased $1.8 billion or 0.6 percent to $301.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.0 percent increase in December, is the third consecutive monthly increase, and is the fifteenth increase in the last eighteen months.

Shipments increased $1.3 billion or 0.4 percent to $297.3 billion, following a 1.7 percent December increase. This is the third consecutive monthly increase, and the thirteenth in the last eighteen months.

Unfilled orders, up for the fifth consecutive month, increased $4.0 billion or 0.9 percent to $460.8 billion. This follows a 0.8 percent increase in December. The unfilled orders-to-shipments ratio decreased in January to 2.86 from 2.87 in December.

Inventories increased $4.1 billion or 1.0 percent to $395.9 billion, following a 0.5 percent December increase. This is the fourth consecutive monthly increase and the eleventh in the past thirteen months. The inventories-to-shipments ratio increased in January to 1.33 from 1.32 in December.

New Orders

New orders for manufactured durable goods in January increased $1.7 billion or 1.1 percent to $164.0 billion, revised from the previously published 0.6 percent increase. This follows a 1.9 percent increase in December and is the fifteenth increase in the last eighteen months.

Industrial machinery and equipment had the largest increase, $2.1 billion or 7.5 percent to $30.4 billion, with most components increasing. Fabricated metal products, up three of the last four months, increased $0.9 billion or 5.9 percent to $16.2 billion, following a 2.6 percent December decline. Instruments and related products increased $0.4 billion or 3.4 percent to $11.6 billion, following a 4.2 percent December increase. Electronic and other electrical equipment increased $0.2 billion or 0.9 percent to $26.0 billion; this is the sixth consecutive monthly increase. Primary metals remained unchanged at $15.8 billion. Transportation equipment had the largest decline, $2.2 billion or 5.2 percent to $39.6 billion, primarily due to shipbuilding and tanks. This follows increases of 5.8 percent in December and 12.1 percent in November.

New orders for nondurable goods were $137.3 billion, up $0.1 billion from December. Increases in leather and leather products, paper and allied products, and tobacco products were partially offset by declines in food and kindred products, and textile mill products.

Shipments

Shipments of durable goods in January increased $1.4 billion or 0.9 percent to $160.7 billion, revised from the previously published 0.8 percent increase. This follows increases of 1.3 percent in December and 3.1 percent in November, and is the thirteenth increase in the last eighteen months. Fabricated metal products increased $0.9 billion or 5.8 percent to $16.1 billion, following a 2.3 percent decline in December. Electronic and other electrical equipment, up for the fifteenth consecutive month, increased $0.2 billion or 0.9 percent to $24.9 billion. Transportation equipment, up for the third consecutive month, increased $0.2 billion or 0.5 percent to $40.2 billion. The December and November increases were 0.3 percent and 6.9 percent, respectively. Primary metals increased $0.1 billion or 0.6 percent to $15.2 billion, the twelfth consecutive monthly increase. Industrial machinery and equipment declined $0.1 billion or 0.3 percent to $28.7 billion, following a 1.6 percent December increase.

Shipments of nondurable goods decreased $0.1 billion or 0.1 percent to $136.7 billion. This follows two consecutive monthly increases and is the third decline in the last fifteen months. Food and kindred products had the largest decrease, $0.9 billion or 2.3 percent to $36.6 billion, following three consecutive monthly increases. The largest increases were in paper and allied products, up $0.4 billion or 3.5 percent to $12.9 billion and tobacco products, up $0.3 billion or 12.8 percent to $3.0 billion.

Unfilled Orders

Unfilled orders for durable goods in January increased $3.4 billion or 0.8 percent to $434.7 billion, revised from the previously published 0.7 percent increase. This is the fifth consecutive monthly increase. Industrial machinery and equipment had the largest increase, $1.6 billion or 2.4 percent to $69.1 billion. This follows a 0.8 percent December decline, which was the only decline in the last nineteen months. Electronic and other electrical equipment increased $1.1 billion or 2.4 percent to $48.4 billion, the fifth consecutive monthly increase. Primary metals was up $0.6 billion or 2.1 percent to $29.8 billion, the fourteenth consecutive monthly increase. Instruments and related products was up $0.1 billion or 0.3 percent to $47.8 billion, the first increase since October. Transportation equipment, down nearly every month since September 1991, decreased $0.6 billion or 0.3 percent to $202.5 billion. This follows a 0.9 percent increase in December, which was the first increase since January 1994.

Inventories

Inventories for durable goods in January increased $2.8 billion or 1.1 percent to $250.4 billion. Except for the 0.1 percent decrease in September, inventories have increased every month since March 1994. Industrial machinery and equipment had the largest increase, $1.3 billion or 2.6 percent to $50.9 billion. This follows a 0.1 percent December decline and is the twentieth increase in the last twenty-two months. Electronic and other electrical equipment, up for the thirteenth consecutive month and twenty-fifth of the last twenty-seven, increased $0.9 billion or 2.1 percent to $41.2 billion. Primary metals increased $0.3 billion or 1.5 percent to $21.1 billion, the fifth consecutive monthly increase. Fabricated metal products increased $0.2 billion or 0.9 percent to $24.4 billion, the fourth consecutive monthly increase. Transportation equipment, up for the first month since July, increased $0.2 billion or 0.3 percent to $58.8 billion.

Inventories for nondurable goods increased $1.3 billion or 0.9 percent to $145.5 billion, the fourth consecutive monthly increase. Petroleum and coal products, food and kindred products, rubber and plastic products, and paper and allied products had the largest increases.

By stage of fabrication, finished goods increased 0.6 percent in durables and 1.0 percent in nondurables. Work in process increased 1.7 percent in durables and 0.3 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 1.1 percent in nondurables.

(SEE BACK PAGE FOR 1995 RELEASE DATES)

The advance report on durable goods for February is scheduled for March 24, 1995 at 8:30 a.m. and the full report on March 31, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94	1995[p]	1994
All manufacturing industries	297,340	296,053	291,191	+0.4	+1.7	+2.5	267,901	290,089	292,557	241,178	+11.1	267,901	241,17
Manufacturing Industries													
with unfilled orders	160,992	159,252	157,368	+1.1	+1.2	+2.6	143,493	161,925	159,220	127,352	+12.7	143,493	127,35
without defense capital goods	290,604	289,720	284,392	+0.3	+1.9	+2.6	262,384	282,420	285,407	235,369	+11.5	262,384	235,36
Durable goods industries	160,660	159,299	157,292	+0.9	+1.3	+3.1	142,438	158,773	158,063	127,662	+11.6	142,438	127,66
With unfilled orders	127,186	125,621	124,162	+1.2	+1.2	+2.5	112,172	129,185	125,119	99,801	+12.4	112,172	99,80
Stone, clay, and glass products	7,208	7,205	6,914	0.0	+4.2	+3.9	6,075	6,204	6,919	5,276	+15.1	6,075	5,27
Primary metals	15,212	15,114	14,155	+0.6	+6.8	+4.2	14,435	13,963	13,937	11,199	+28.9	14,435	11,19
Blast furnaces, steel mills	6,345	6,662	6,136	-4.8	+8.6	+2.9	6,117	6,153	5,940	5,180	+18.1	6,117	5,18
Iron and steel foundries	1,363	1,405	1,294	-3.0	+8.6	+5.9	1,272	1,168	1,285	1,056	+20.5	1,272	1,05
Nonferrous and other primary metals	7,504	7,047	6,725	+6.5	+4.8	+5.0	7,046	6,642	6,712	4,963	+42.0	7,046	4,96
Fabricated metal products	16,087	15,208	15,560	+5.8	-2.3	+2.4	14,645	14,293	15,580	13,455	+8.8	14,645	13,4
Industrial machinery and equipment	28,708	28,805	28,362	-0.3	+1.6	-0.8	24,540	32,027	27,694	21,393	+14.7	24,540	21,3
Engines and turbines	1,856	1,963	1,926	-5.5	+1.9	+1.7	1,563	2,897	1,881	1,325	+18.0	1,563	1,3
Farm and garden machinery	1,819	1,748	1,713	+4.1	+2.0	-9.8	1,659	1,448	1,386	1,403	+18.2	1,659	1,4
Construction, mining and material handling equipment	3,138	3,090	2,940	+1.6	+5.1	+4.1	2,840	2,938	2,791	2,327	+22.0	2,840	2,3
Metalworking machinery	3,341	2,982	3,110	+12.0	-4.1	-2.5	2,813	3,276	3,448	2,206	+27.5	2,813	2,2
Computer and office equipment	7,284	7,713	7,831	-5.6	-1.5	+0.4	5,507	10,667	7,807	5,233	+5.2	5,507	5,2
Electronic and other electrical equipment	24,868	24,641	24,465	+0.9	+0.7	+3.6	21,742	26,141	25,312	18,540	+17.3	21,742	18,5
Electrical transmission and distribution equipment and industrial apparatus	2,785	2,678	2,666	+4.0	+0.5	+2.0	2,452	2,650	2,577	2,221	+10.4	2,452	2,2
Household appliances	1,976	1,942	1,901	+1.8	+2.2	+1.7	1,632	1,819	1,837	1,427	+14.4	1,632	1,4
Electric lighting and wiring equipment	1,949	1,886	1,868	+3.3	+1.0	-0.4	1,733	1,954	1,984	1,523	+13.8	1,733	1,5
Household audio and video equipment	1,108	1,105	1,088	+0.3	+1.6	-1.9	914	1,045	1,384	810	+12.8	914	[illegible]
Communications equipment	5,809	5,727	5,756	+1.4	-0.5	+6.2	4,725	7,426	5,855	3,629	+30.2	4,725	3,
Electronic components	8,962	8,963	8,669	0.0	+3.4	+2.7	8,308	8,913	8,685	6,910	+20.2	8,308	6,
Transportation equipment	40,222	40,002	39,875	+0.5	+0.3	+6.9	35,788	38,305	40,437	34,315	+4.3	35,788	34,
Motor vehicles and parts	28,804	29,246	28,409	-1.5	+2.9	+7.6	26,485	25,619	29,066	25,047	+5.7	26,485	25,
Aircraft, missiles, space vehicles, and parts	8,498	8,069	8,618	+5.3	-6.4	+5.9	6,739	10,074	8,682	7,169	-6.0	6,739	7,
Shipbuilding and tanks	961	757	814	+26.9	-7.0	-3.1	782	921	792	741	+5.5	782	[illegible]
Instruments and related products	11,420	11,412	11,159	+0.1	+2.3	+2.1	10,132	12,306	11,359	9,547	+6.1	10,132	9,
Search and navigation equipment	2,612	2,451	2,354	+6.6	+4.1	-3.0	2,195	2,873	2,525	2,111	+4.0	2,195	2,
Measuring and controlling devices	3,411	3,532	3,385	-3.4	+4.3	+8.0	3,165	3,696	3,328	2,863	+10.5	3,165	2,
Medical instruments and supplies	3,092	3,103	3,080	-0.4	+0.7	+2.0	2,863	3,298	3,052	2,688	+6.5	2,863	2,
Photographic goods	1,883	1,904	1,985	-1.1	-4.1	+0.9	1,535	2,039	2,109	1,578	-2.7	1,535	1,
All other durable goods	16,935	16,912	16,802	+0.1	+0.7	+0.6	15,081	15,534	16,825	13,937	+8.2	15,081	13,
Nondurable goods industries	136,680	136,754	133,899	-0.1	+2.1	+1.9	125,463	131,316	134,494	113,516	+10.5	125,463	113,
With unfilled orders	33,806	33,631	33,206	+0.5	+1.3	+2.8	31,321	32,740	34,101	27,551	+13.7	31,321	27,
Food and kindred products	36,645	37,512	36,587	-2.3	+2.5	+1.9	33,303	37,505	36,825	31,985	+4.1	33,303	31,
Meat products	8,119	8,393	8,114	-3.3	+3.4	-0.5	7,583	8,317	7,940	7,561	+0.3	7,583	7,
Dairy products	4,907	4,935	4,756	-0.6	+3.8	+1.9	4,529	4,760	4,813	4,200	+7.8	4,529	4,
Beverages	5,329	5,359	5,326	-0.6	+0.6	+0.6	4,471	5,042	5,073	4,243	+5.4	4,471	4
All other foods, except fats and oils	16,353	16,861	16,338	-3.0	+3.2	+2.0	14,783	17,422	16,946	14,144	+4.5	14,783	14
Tobacco products	2,996	2,657	2,641	+12.8	+0.6	-5.7	2,478	2,937	2,779	2,584	-4.1	2,478	2
Textile mill products	6,381	6,460	6,256	-1.2	+3.3	+0.4	5,509	5,879	6,335	5,044	+9.2	5,509	5
Broadwoven fabrics and other textiles	3,997	4,066	3,941	-1.7	+3.2	+1.3	3,521	3,831	3,887	3,162	+11.4	3,521	3
Paper and allied products	12,910	12,476	12,311	+3.5	+1.3	+1.9	12,523	12,093	12,262	10,228	+22.4	12,523	10
Pulp, paper, and paperboard mill products	5,440	5,070	5,014	+7.3	+1.1	+2.2	5,288	5,005	5,099	4,087	+29.4	5,288	4
Paperboard containers and boxes	3,429	3,369	3,260	+1.8	+3.3	+2.2	3,319	3,156	3,218	2,554	+30.0	3,319	2
Miscellaneous converted paper products	4,041	4,037	4,037	+0.1	0.0	+1.2	3,916	3,932	3,945	3,587	+9.2	3,916	3
Chemicals and allied products	30,676	30,611	29,935	+0.2	+2.3	+2.3	28,955	29,018	28,762	25,316	+14.4	28,955	25
Industrial chemicals	16,902	16,810	16,100	+0.5	+4.4	+2.9	15,888	15,486	15,678	12,948	+22.7	15,888	12
Drugs, soaps, and toiletries	10,349	10,313	10,427	+0.3	-1.1	+1.4	10,080	10,629	10,278	9,685	+4.1	10,080	9
Petroleum and coal products	12,623	12,557	12,318	+0.5	+1.9	+5.2	11,319	12,196	12,825	9,919	+14.1	11,319	9
Rubber and plastics products	10,209	10,129	9,925	+0.8	+2.1	+2.1	9,543	9,064	9,484	8,265	+15.5	9,543	8
All other nondurable goods	24,240	24,352	23,926	-0.5	+1.8	+1.2	21,833	22,624	25,222	20,175	+8.2	21,833	20

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94	1995[p]	1994
All manufacturing industries	301,291	299,514	293,716	+0.6	+2.0	+2.7	277,295	294,165	293,415	249,955	+10.9	277,295	249,955
anufacturing industries													
with unfilled orders	164,943	162,713	159,893	+1.4	+1.8	+2.9	152,887	166,001	160,078	136,129	+12.3	152,887	136,129
without defense capital goods	295,108	290,293	288,149	+1.7	+0.7	+2.8	271,956	281,823	287,809	242,962	+11.9	271,956	242,962
urable goods industries	164,036	162,310	159,321	+1.1	+1.9	+3.4	150,952	162,526	159,189	135,776	+11.2	150,952	135,776
With unfilled orders	130,562	128,632	126,191	+1.5	+1.9	+2.8	120,686	132,938	126,245	107,915	+11.8	120,686	107,915
one, clay, and glass products	7,524	7,493	7,172	+0.4	+4.5	+5.3	6,462	6,280	6,970	5,357	+20.6	6,462	5,357
imary metals	15,815	15,813	14,644	0.0	+8.0	+0.1	16,274	15,213	14,239	12,436	+30.9	16,274	12,436
Blast furnaces, steel mills	6,588	6,669	6,108	-1.2	+9.2	-0.8	7,089	6,152	5,903	5,784	+22.6	7,089	5,784
Iron and steel foundries	1,367	1,638	1,319	-16.5	+24.2	+7.3	1,450	1,414	1,251	1,247	+16.3	1,450	1,247
Nonferrous and other primary metals	7,860	7,506	7,217	+4.7	+4.0	-0.5	7,735	7,647	7,085	5,405	+43.1	7,735	5,405
bricated metal products	16,177	15,278	15,691	+5.9	-2.6	+3.9	14,955	14,628	15,459	13,479	+11.0	14,955	13,479
dustrial machinery and equipment	30,356	28,243	30,048	+7.5	-6.0	-1.2	27,130	30,879	29,880	23,094	+17.5	27,130	23,094
Engines and turbines	1,922	1,213	2,095	+58.5	-42.1	+0.3	1,482	2,114	2,113	1,318	+12.4	1,482	1,318
Construction, mining and material handling equipment	3,493	3,065	3,072	+14.0	-0.2	+3.2	3,437	2,886	2,959	2,462	+39.6	3,437	2,462
Metalworking machinery	3,773	2,969	3,289	+27.1	-9.7	+5.8	3,245	3,263	3,627	2,730	+18.9	3,245	2,730
Computer and office equipment	7,390	7,713	7,944	-4.2	-2.9	-7.7	5,553	9,793	8,102	5,325	+4.3	5,553	5,325
ectronic and other lectrical equipment	26,013	25,773	24,771	+0.9	+4.0	+3.3	24,471	26,570	25,673	20,539	+19.1	24,471	20,539
Electrical transmission and distribution equipment and industrial apparatus	3,000	2,571	2,532	+16.7	+1.5	-9.1	2,716	2,482	2,479	2,438	+11.4	2,716	2,438
Electric lighting and wiring equipment	2,063	1,909	1,809	+8.1	+5.5	-9.2	1,847	1,977	1,925	1,572	+17.5	1,847	1,572
Communications equipment	6,219	6,512	5,816	-4.5	+12.0	+15.3	5,126	8,184	5,894	3,454	+48.4	5,126	3,454
Electronic components	9,515	9,180	8,987	+3.6	+2.1	+1.7	10,114	8,765	9,118	8,385	+20.6	10,114	8,385
nsportation equipment	39,616	41,774	39,484	-5.2	+5.8	+12.1	35,636	41,368	39,944	37,425	-4.8	35,636	37,425
Aircraft, missiles, space vehicles, and parts	7,196	6,251	8,700	+15.1	-28.1	+45.7	5,688	9,478	8,704	10,309	-44.8	5,688	10,309
Shipbuilding and tanks	1,666	3,798	437	-56.1	+769.1	-17.2	1,499	3,880	410	508	+195.1	1,499	508
truments and related products	11,563	11,185	10,739	+3.4	+4.2	-4.0	10,435	12,676	10,668	9,206	+13.3	10,435	9,206
Search and navigation equipment	2,369	2,324	2,012	+1.9	+15.5	-15.2	2,085	3,336	1,952	1,446	+44.2	2,085	1,446
Measuring and controlling devices	3,746	3,633	3,445	+3.1	+5.5	+4.4	3,500	3,797	3,388	2,969	+17.9	3,500	2,969
Medical instruments and supplies	3,125	2,912	3,007	+7.3	-3.2	-2.0	2,896	3,107	2,979	2,857	+1.4	2,896	2,857
other durable goods	16,972	16,751	16,772	+1.3	-0.1	-0.2	15,589	14,912	16,356	14,240	+9.5	15,589	14,240
ndurable goods industries	137,255	137,204	134,395	0.0	+2.1	+1.9	126,343	131,639	134,226	114,179	+10.7	126,343	114,179
With unfilled orders	34,381	34,081	33,702	+0.9	+1.1	+2.9	32,201	33,063	33,833	28,214	+14.1	32,201	28,214

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), lanufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94
All manufacturing industries	460,789	456,838	453,378	+0.9	+0.8	+0.6	461,162	451,768	447,692	447,135	+3.1
Manufacturing industries without defense capital goods	348,863	344,359	343,787	+1.3	+0.2	+1.1	348,235	338,663	339,260	328,813	+5.9
Durable goods industries	434,681	431,305	428,295	+0.8	+0.7	+0.5	435,962	427,448	423,695	425,741	+2.4
Stone, clay, and glass products	8,343	8,027	7,739	+3.9	+3.7	+3.4	7,901	7,514	7,438	6,900	+14.5
Primary metals	29,784	29,181	28,482	+2.1	+2.5	+1.7	29,698	27,859	26,609	22,785	+30.3
Blast furnaces, steel mills	11,670	11,427	11,420	+2.1	+0.1	-0.2	11,623	10,651	10,652	10,316	+12.7
Iron and steel foundries	3,760	3,756	3,523	+0.1	+6.6	+0.7	3,865	3,687	3,441	3,234	+19.5
Nonferrous and other primary metals	14,354	13,998	13,539	+2.5	+3.4	+3.8	14,210	13,521	12,516	9,235	+53.9
Fabricated metal products	20,753	20,663	20,593	+0.4	+0.3	+0.6	20,802	20,492	20,157	20,070	+3.6
Industrial machinery and equipment	69,061	67,413	67,976	+2.4	-0.8	+2.5	69,786	67,196	68,344	54,679	+27.6
Engines and turbines	10,286	10,220	10,971	+0.6	-6.8	+1.6	10,543	10,624	11,407	10,132	+4.1
Construction, mining and material handling equipment	7,447	7,092	7,117	+5.0	-0.4	+1.9	7,596	6,999	7,051	5,926	+28.2
Metalworking machinery	10,009	9,577	9,590	+4.5	-0.1	+1.9	10,009	9,577	9,590	7,859	+27.4
Computer and office equipment	11,690	11,584	11,584	+0.9	0.0	+1.0	11,246	11,200	12,074	7,343	+53.2
Electronic and other electrical equipment	48,417	47,272	46,140	+2.4	+2.5	+0.7	48,861	46,132	45,703	46,437	+5.2
Electrical transmission and distribution equipment and industrial apparatus	6,003	5,788	5,895	+3.7	-1.8	-2.2	6,010	5,746	5,914	5,987	+0.4
Electric lighting and wiring equipment	3,757	3,643	3,620	+3.1	+0.6	-1.6	3,757	3,643	3,620	3,286	+14.3
Communications equipment	15,408	14,998	14,213	+2.7	+5.5	+0.4	15,405	15,004	14,246	14,857	+3.7
Electronic components	17,339	16,786	16,569	+3.3	+1.3	+2.0	17,738	15,932	16,080	16,579	+7.0
Transportation equipment	202,484	203,090	201,318	-0.3	+0.9	-0.2	203,022	203,174	200,111	216,586	-6.3
Aircraft, missiles, space vehicles, and parts	169,377	170,679	172,497	-0.8	-1.1	0.0	169,841	170,892	171,488	187,165	-9.3
Shipbuilding and tanks	19,716	19,011	15,970	+3.7	+19.0	-2.3	19,656	18,939	15,980	19,063	+3.1
Instruments and related products	47,781	47,638	47,865	+0.3	-0.5	-0.9	48,321	48,018	47,648	51,053	-5.4
Search and navigation equipment	31,057	31,300	31,427	-0.8	-0.4	-1.1	31,597	31,707	31,244	33,625	-6.0
Measuring and controlling devices	9,584	9,249	9,148	+3.6	+1.1	+0.7	9,584	9,249	9,148	8,938	+7.2
Medical instruments and supplies	6,325	6,292	6,483	+0.5	-2.9	-1.1	6,325	6,292	6,483	7,625	-17.0
All other durable goods	8,058	8,021	8,182	+0.5	-2.0	-0.4	7,571	7,063	7,685	7,231	+4.7
Nondurable goods industries	26,108	25,533	25,083	+2.3	+1.8	+2.0	25,200	24,320	23,997	21,394	+17.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94
All manufacturing industries	395,886	391,810	389,988	+1.0	+0.5	+0.5	394,861	384,058	390,592	377,539	+4.6
lanufacturing industries											
vith unfilled orders	263,439	260,413	259,122	+1.2	+0.5	+0.5	261,275	253,369	259,074	248,226	+5.3
vithout defense capital goods	373,159	369,065	367,033	+1.1	+0.6	+0.6	372,725	362,307	367,459	351,773	+6.0
urable goods industries	250,432	247,644	246,374	+1.1	+0.5	+0.6	249,246	241,784	246,942	236,590	+5.3
With unfilled orders	229,123	226,438	225,287	+1.2	+0.5	+0.6	227,281	220,503	225,732	215,512	+5.5
one, clay, and glass products	7,711	7,653	7,568	+0.8	+1.1	+0.5	7,766	7,541	7,367	7,571	+2.6
imary metals	21,088	20,772	20,463	+1.5	+1.5	+1.4	21,157	20,749	20,479	19,459	+8.7
Blast furnaces, steel mills	9,896	9,779	9,756	+1.2	+0.2	+0.5	10,104	9,987	9,883	9,700	+4.2
Iron and steel foundries	1,597	1,603	1,589	-0.4	+0.9	+2.1	1,592	1,581	1,554	1,426	+11.6
Nonferrous and other primary metals	9,595	9,390	9,118	+2.2	+3.0	+2.3	9,461	9,181	9,042	8,333	+13.5
ibricated metal products	24,371	24,149	23,847	+0.9	+1.3	+0.7	24,400	23,714	23,508	22,994	+6.1
dustrial machinery and equipment	50,926	49,654	49,700	+2.6	-0.1	+0.9	50,742	48,269	50,366	46,492	+9.1
Engines and turbines	3,822	3,838	3,728	-0.4	+3.0	+1.3	3,614	3,503	3,900	3,305	+9.3
Farm and garden machinery	2,846	2,828	2,726	+0.6	+3.7	+2.9	3,102	2,995	2,815	2,667	+16.3
Construction, mining and material handling equipment	6,204	6,178	6,194	+0.4	-0.3	+2.7	6,216	6,053	6,134	5,653	+10.0
Metalworking machinery	5,804	5,706	5,629	+1.7	+1.4	+0.6	5,711	5,479	5,645	5,182	+10.2
Computer and office equipment	11,834	10,961	11,358	+8.0	-3.5	-0.6	11,574	10,411	11,748	11,004	+5.2
ectronic and other lectrical equipment	41,245	40,393	39,699	+2.1	+1.7	+1.5	40,783	39,007	39,456	33,834	+20.5
Electrical transmission and distribution equipment and industrial apparatus	4,777	4,708	4,645	+1.5	+1.4	+0.7	4,696	4,552	4,650	4,161	+12.9
Household appliances	2,833	2,774	2,797	+2.1	-0.8	+0.9	2,830	2,552	2,683	2,597	+9.0
Electric lighting and wiring equipment	3,141	3,088	3,050	+1.7	+1.2	+0.6	3,053	2,937	3,033	2,850	+7.1
Household audio and video equipment	1,349	1,295	1,261	+4.2	+2.7	+4.5	1,288	1,212	1,200	979	+31.6
Communications equipment	12,916	12,503	12,078	+3.3	+3.5	+2.4	12,877	12,072	11,977	9,290	+38.6
Electronic components	12,680	12,493	12,405	+1.5	+0.7	+1.4	12,579	12,283	12,504	10,842	+16.0
nsportation equipment	58,811	58,657	58,820	+0.3	-0.3	-0.5	58,476	57,197	59,697	61,375	-4.7
Motor vehicles and parts	12,151	12,036	11,913	+1.0	+1.0	+0.9	12,281	11,974	12,231	11,719	+4.8
Aircraft, missiles, space vehicles, and parts	42,220	42,248	42,557	-0.1	-0.7	-1.3	41,662	40,913	43,151	45,474	-8.4
Shipbuilding and tanks	1,525	1,519	1,485	+0.4	+2.3	+0.1	1,509	1,451	1,439	1,551	-2.7
truments and related products	21,824	21,907	21,962	-0.4	-0.3	+0.4	21,330	21,267	22,067	21,393	-0.3
Search and navigation equipment	5,531	5,601	5,544	-1.2	+1.0	+1.1	5,326	5,434	5,552	5,456	-2.4
Measuring and controlling devices	6,761	6,704	6,668	+0.9	+0.5	+0.7	6,693	6,560	6,693	6,376	+5.0
Medical instruments and supplies	6,141	6,193	6,207	-0.8	-0.2	-0.3	6,024	6,058	6,271	6,022	0.0
Photographic goods	2,498	2,503	2,651	-0.2	-5.6	-0.8	2,401	2,321	2,662	2,741	-12.4
other durable goods	24,456	24,459	24,315	0.0	+0.6	+0.7	24,592	24,040	24,002	23,472	+4.8
ndurable goods industries	145,454	144,166	143,614	+0.9	+0.4	+0.3	145,615	142,274	143,650	140,949	+3.3
With unfilled orders	34,316	33,975	33,835	+1.0	+0.4	+0.4	33,994	32,866	33,342	32,714	+3.9
od and kindred products	31,126	30,860	30,923	+0.9	-0.2	-0.8	31,634	31,171	32,416	30,600	+3.4
Meat products	3,457	3,411	3,371	+1.3	+1.2	-1.3	3,384	3,202	3,383	3,207	+5.5
Dairy products	2,791	2,784	2,765	+0.3	+0.7	+0.8	2,707	2,613	2,680	2,633	+2.8
Beverages	5,294	5,138	5,254	+3.0	-2.2	-1.0	5,320	5,134	5,338	5,394	-1.4
All other foods, except fats and oils	17,961	17,894	17,910	+0.4	-0.1	-0.8	18,482	18,517	19,285	17,516	+5.5
bacco products	5,678	5,780	5,738	-1.8	+0.7	+2.1	6,013	5,966	5,683	6,413	-6.2
ctile mill products	9,794	9,817	9,805	-0.2	+0.1	+1.0	9,754	9,345	9,525	9,594	+1.7
Broadwoven fabrics and other textiles	5,497	5,482	5,462	+0.3	+0.4	+0.2	5,530	5,265	5,397	5,420	+2.0
per and allied products	13,839	13,612	13,514	+1.7	+0.7	0.0	13,946	13,432	13,349	13,444	+3.7
Pulp, paper, and paperboard mill products	5,413	5,352	5,421	+1.1	-1.3	-0.7	5,456	5,290	5,330	5,849	-6.7
Paperboard containers and boxes	3,588	3,510	3,443	+2.2	+1.9	+1.5	3,671	3,525	3,389	3,087	+18.9
Miscellaneous converted paper products	4,838	4,750	4,650	+1.9	+2.2	-0.2	4,819	4,617	4,630	4,508	+6.9
emicals and allied products	34,314	34,295	34,000	+0.1	+0.9	+0.3	34,401	34,162	33,829	34,189	+0.6
ndustrial chemicals	16,766	16,617	16,320	+0.9	+1.8	+0.9	17,051	16,753	16,181	16,623	+2.6
Drugs, soaps, and toiletries	13,057	13,202	13,247	-1.1	-0.3	-0.3	12,626	12,838	13,239	13,002	-2.9
roleum and coal products	10,920	10,530	10,450	+3.7	+0.8	+0.9	10,528	10,058	10,650	9,612	+9.5
bber and plastics products	13,271	13,043	12,828	+1.7	+1.7	+0.2	13,502	13,051	12,760	12,445	+8.5
other nondurable goods	26,512	26,229	26,356	+1.1	-0.5	+1.1	25,837	25,089	25,438	24,652	+4.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	297,340	296,053	291,191	+0.4	+1.7	+2.5	267,901	290,089	292,557	241,178	+11.1	267,901	241,178
Market categories :													
Automotive equipment	14,796	14,957	14,708	-1.1	+1.7	+8.1	13,471	13,082	15,022	12,525	+7.6	13,471	12,525
Home goods and apparel	19,766	19,726	19,124	+0.2	+3.1	-1.7	17,087	17,052	20,193	15,581	+9.7	17,087	15,581
Consumer staples	60,563	61,000	59,965	-0.7	+1.7	+1.7	55,535	61,515	60,656	52,830	+5.1	55,535	52,830
Machinery and equipment	52,115	52,007	51,572	+0.2	+0.8	+3.1	44,656	56,859	51,474	40,000	+11.6	44,656	40,000
Business supplies	22,092	22,065	21,722	+0.1	+1.6	+3.6	20,246	21,333	22,144	18,146	+11.6	20,246	18,146
Construction materials and supplies	19,121	18,847	18,745	+1.5	+0.5	+2.1	16,612	17,103	18,533	14,963	+11.0	16,612	14,963
Defense products	7,323	6,802	7,308	+7.7	-6.9	+0.4	6,132	7,896	7,537	6,220	-1.4	6,132	6,220
Other materials, supplies and and intermediate products	101,564	100,649	98,047	+0.9	+2.7	+2.9	94,162	95,249	96,998	80,913	+16.4	94,162	80,913
Durable goods industries :													
Nondefense capital goods [3]	39,483	39,020	38,933	+1.2	+0.2	+2.1	32,948	45,834	38,472	28,889	+14.1	32,948	28,889
Excluding aircraft and parts	34,500	34,367	34,110	+0.4	+0.8	+1.4	29,062	39,960	33,767	24,937	+16.5	29,062	24,937
Defense capital goods [4]	6,736	6,333	6,799	+6.4	-6.9	+0.5	5,517	7,669	7,150	5,809	-5.0	5,517	5,809
Durables excluding capital goods	114,441	113,946	111,560	+0.4	+2.1	+3.6	103,973	105,270	112,441	92,964	+11.8	103,973	92,964
Miscellaneous series :													
Producers' durable equipment	101,951	101,598	100,738	+0.3	+0.9	+3.8	89,971	103,028	101,646	82,026	+9.7	89,971	82,026
Household durable goods	8,509	8,435	8,226	+0.9	+2.5	-0.3	7,309	7,826	8,780	6,561	+11.4	7,309	6,561
Information technology industries	18,635	19,130	19,131	-2.6	0.0	+3.6	15,153	24,034	19,277	13,520	+12.1	15,153	13,520
Health care equipment and products	8,713	8,704	8,739	+0.1	-0.4	+1.6	8,334	9,056	8,628	7,941	+4.9	8,334	7,941
NEW ORDERS													
All manufacturing industries	301,291	299,514	293,716	+0.6	+2.0	+2.7	277,295	294,165	293,415	249,955	+10.9	277,295	249,955
Market categories :													
Automotive equipment	14,810	15,000	14,725	-1.3	+1.9	+8.2	13,528	13,129	15,032	12,591	+7.4	13,528	12,591
Home goods and apparel	20,057	19,436	19,038	+3.2	+2.1	-1.6	18,432	16,332	19,169	16,620	+10.9	18,432	16,620
Consumer staples	60,591	60,970	60,026	-0.6	+1.6	+1.8	55,540	61,541	60,693	52,781	+5.2	55,540	52,781
Machinery and equipment	53,575	50,833	53,251	+5.4	-4.5	+6.1	47,161	55,064	53,543	42,502	+11.0	47,161	42,502
Business supplies	22,218	22,101	21,801	+0.5	+1.4	+2.9	20,381	21,431	22,130	18,092	+12.7	20,381	18,092
Construction materials and supplies	19,473	19,057	18,897	+2.2	+0.8	+1.0	17,082	17,288	18,504	15,044	+13.5	17,082	15,044
Defense products	6,875	9,663	6,093	-28.9	+58.6	-1.9	5,967	12,713	6,130	7,708	-22.6	5,967	7,708
Other materials, supplies and and intermediate products	103,692	102,454	99,885	+1.2	+2.6	+2.2	99,204	96,667	98,214	84,617	+17.2	99,204	84,617
Durable goods industries :													
Nondefense capital goods [3]	41,380	37,759	40,781	+9.6	-7.4	+6.5	35,870	43,864	40,904	31,650	+13.3	35,870	31,650
Excluding aircraft and parts	36,981	34,789	35,312	+6.3	-1.5	-1.0	32,568	39,673	35,553	26,638	+22.3	32,568	26,638
Defense capital goods [4]	6,183	9,221	5,567	-32.9	+65.6	-4.2	5,339	12,342	5,606	6,993	-23.7	5,339	6,993
Durables excluding capital goods	116,473	115,330	112,973	+1.0	+2.1	+2.6	109,743	106,320	112,679	97,133	+13.0	109,743	97,133
Miscellaneous series :													
Producers' durable equipment	103,878	101,096	102,757	+2.8	-1.6	+4.4	94,050	101,492	103,325	86,282	+9.0	94,050	86,282
Household durable goods	8,385	8,380	8,252	+0.1	+1.6	-0.9	7,950	7,461	8,308	7,227	+10.0	7,950	7,227
Information technology industries	19,439	19,872	19,289	-2.2	+3.0	+0.2	15,896	23,910	19,609	13,538	+17.4	15,896	13,538
Health care equipment and products	8,747	8,513	8,666	+2.7	-1.8	+0.2	8,366	8,863	8,554	8,108	+3.2	8,366	8,108

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94
UNFILLED ORDERS											
All manufacturing industries	460,789	456,838	453,378	+0.9	+0.8	+0.6	461,162	451,768	447,692	447,135	+3.1
arket categories :											
Automotive equipment	2,178	2,164	2,121	+0.6	+2.0	+0.8	2,202	2,146	2,099	1,968	+11.9
Home goods and apparel	10,173	9,882	10,173	+2.9	-2.9	-0.8	9,673	8,328	9,048	9,701	-0.3
Consumer staples	1,607	1,578	1,608	+1.8	-1.9	+3.9	1,637	1,632	1,605	1,427	+14.7
Machinery and equipment	182,997	181,538	182,713	+0.8	-0.6	+0.9	183,338	180,833	182,627	182,725	+0.3
Business supplies	6,030	5,903	5,867	+2.2	+0.6	+1.4	5,945	5,810	5,712	5,314	+11.9
Construction materials and supplies	16,236	15,884	15,674	+2.2	+1.3	+1.0	15,910	15,440	15,256	13,956	+14.0
Defense products	105,955	106,404	103,543	-0.4	+2.8	-1.2	107,074	107,239	102,422	112,397	-4.7
Other materials, supplies and and intermediate products	135,613	133,485	131,679	+1.6	+1.4	+1.4	135,383	130,340	128,923	119,647	+13.2
rable goods industries :											
Nondefense capital goods [3]	202,153	200,256	201,518	+0.9	-0.6	+0.9	202,838	199,916	201,886	200,098	+1.4
Excluding aircraft and parts	93,828	91,347	90,926	+2.7	+0.5	+1.3	94,513	91,007	91,294	77,359	+22.2
Defense capital goods [4]	111,926	112,479	109,591	-0.5	+2.6	-1.1	112,927	113,105	108,432	118,322	-4.6
Durables excluding capital goods	120,602	118,570	117,186	+1.7	+1.2	+1.2	120,197	114,427	113,377	107,321	+12.0
scellaneous series :											
Producers' durable equipment	217,443	215,516	216,019	+0.9	-0.2	+0.9	217,793	213,714	215,250	210,399	+3.5
Household durable goods	6,009	6,133	6,188	-2.0	-0.9	+0.4	5,838	5,197	5,562	5,501	+6.1
nformation technology industries	38,125	37,321	36,579	+2.2	+2.0	+0.4	37,672	36,929	37,053	32,104	+17.3
Health care equipment and products	6,357	6,323	6,514	+0.5	-2.9	-1.1	6,355	6,323	6,515	7,653	-17.0
TOTAL INVENTORIES											
ll manufacturing industries	395,886	391,810	389,988	+1.0	+0.5	+0.5	394,861	384,058	390,592	377,539	+4.6
rket categories :											
Automotive equipment	6,395	6,318	6,245	+1.2	+1.2	+0.7	6,534	6,255	6,358	6,209	+5.2
Home goods and apparel	32,501	32,151	32,263	+1.1	-0.3	+1.3	32,141	30,790	30,904	30,255	+6.2
Consumer staples	58,565	58,249	58,133	+0.5	+0.2	0.0	58,585	57,919	59,476	57,468	+1.9
Machinery and equipment	96,450	95,115	94,747	+1.4	+0.4	+0.9	95,771	92,345	95,676	88,055	+8.8
Business supplies	21,973	21,737	21,552	+1.1	+0.9	+0.7	21,670	21,046	21,478	20,650	+4.9
Construction materials and supplies	25,376	25,403	25,073	-0.1	+1.3	+0.5	25,352	24,839	24,638	24,339	+4.2
Defense products	22,024	22,024	22,171	0.0	-0.7	-1.5	21,524	21,164	22,271	24,602	-12.5
Other materials, supplies and and intermediate products	132,602	130,813	129,804	+1.4	+0.8	+0.5	133,284	129,700	129,791	125,961	+5.8
able goods industries :											
Nondefense capital goods [3]	91,270	89,621	89,280	+1.8	+0.4	+0.8	90,458	86,812	90,103	82,623	+9.5
Excluding aircraft and parts	65,314	63,586	63,172	+2.7	+0.7	+1.3	64,592	61,295	63,655	56,456	+14.4
Defense capital goods [4]	22,727	22,745	22,955	-0.1	-0.9	-1.8	22,136	21,751	23,133	25,766	-14.1
Durables excluding capital goods	136,435	135,278	134,139	+0.9	+0.8	+0.9	136,652	133,221	133,706	128,201	+6.6
cellaneous series :											
roducers' durable equipment	155,280	153,269	152,397	+1.3	+0.6	+0.9	154,452	149,283	153,102	142,180	+8.6
Household durable goods	14,462	14,297	14,199	+1.2	+0.7	+1.4	14,376	13,687	13,803	13,427	+7.1
nformation technology industries	34,728	33,384	33,373	+4.0	0.0	+0.7	34,203	32,052	33,757	30,200	+13.3
Health care equipment and products	13,250	13,377	13,412	-0.9	-0.3	-0.3	12,906	13,047	13,471	13,088	-1.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Jan. 1994	Jan. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	129,055	127,952	127,004	+0.9	+0.7	+0.9	130,248	128,662	127,293	120,743	+7.9
Durable goods industries	75,496	74,965	74,404	+0.7	+0.8	+1.4	76,132	75,113	74,877	68,743	+10.7
Stone, clay, and glass products	2,633	2,615	2,612	+0.7	+0.1	+0.2	2,671	2,643	2,599	2,577	+3.6
Primary metals	6,598	6,444	6,333	+2.4	+1.8	+0.8	6,702	6,707	6,477	5,920	+13.2
Fabricated metal products	8,512	8,442	8,342	+0.8	+1.2	+0.9	8,621	8,682	8,343	7,886	+9.3
Industrial machinery and equipment	16,809	16,785	16,852	+0.1	-0.4	+3.5	16,964	16,573	16,987	14,354	+18.2
Electronic and other electrical equipment	13,672	13,263	12,891	+3.1	+2.9	+1.3	13,709	13,106	12,800	10,869	+26.1
Transportation equipment	10,798	10,842	10,937	-0.4	-0.9	+0.7	10,748	10,749	11,048	10,984	-2.1
Instruments and related products	6,756	6,885	6,798	-1.9	+1.3	+0.6	6,763	6,792	6,752	6,709	+0.8
Lumber, furniture and miscellaneous durable goods	9,718	9,689	9,639	+0.3	+0.5	+0.6	9,954	9,861	9,871	9,444	+5.4
Nondurable goods industries	53,559	52,987	52,600	+1.1	+0.7	+0.1	54,116	53,549	52,416	52,000	+4.1
Food and kindred products	10,047	9,990	10,182	+0.6	-1.9	-1.4	10,362	10,240	10,488	10,323	+0.4
Tobacco products	4,680	4,701	4,719	-0.4	-0.4	-0.1	5,024	5,007	4,552	5,485	-8.4
Textile mill products	2,910	2,900	2,912	+0.3	-0.4	+2.5	2,898	2,844	2,810	2,658	+9.0
Paper and allied products	7,037	6,939	6,858	+1.4	+1.2	+0.4	7,127	6,988	6,847	6,642	+7.3
Chemicals and allied products	11,396	11,473	11,327	-0.7	+1.3	+0.5	11,382	11,512	11,252	11,238	+1.3
Petroleum and coal products	3,019	2,939	2,891	+2.7	+1.7	-2.9	2,878	2,892	2,870	2,747	+4.8
Rubber and plastics products	5,082	4,915	4,783	+3.4	+2.8	+1.1	5,137	5,025	4,800	4,492	+14.4
Apparel, printing and publishing and leather goods	9,388	9,130	8,928	+2.8	+2.3	+1.1	9,308	9,041	8,797	8,415	+10.6
WORK IN PROCESS											
All manufacturing industries	130,893	129,005	129,152	+1.5	-0.1	-0.1	129,559	124,975	130,297	127,625	+1.5
Durable goods industries	106,964	105,136	104,954	+1.7	+0.2	-0.2	105,656	101,705	105,787	104,307	+1.3
Stone, clay, and glass products	1,174	1,134	1,066	+3.5	+6.4	+1.8	1,157	1,078	996	1,030	+12.3
Primary metals	7,796	7,736	7,516	+0.8	+2.9	+1.2	7,763	7,603	7,476	7,230	+7.4
Fabricated metal products	7,747	7,791	7,616	-0.6	+2.3	+0.8	7,783	7,567	7,534	7,512	+3.6
Industrial machinery and equipment	19,609	18,335	18,584	+6.9	-1.3	-0.4	19,064	17,462	19,272	18,234	+4.6
Electronic and other electrical equipment	16,379	16,250	16,044	+0.8	+1.3	+1.0	16,209	15,619	16,011	14,053	+15.3
Transportation equipment	39,848	39,582	39,799	+0.7	-0.5	-1.3	39,625	38,566	40,240	42,577	-6.9
Instruments and related products	9,271	9,146	9,190	+1.4	-0.5	+0.5	8,973	8,784	9,256	8,904	+0.8
Lumber, furniture and miscellaneous durable goods	5,140	5,162	5,139	-0.4	+0.4	-0.3	5,082	5,026	5,002	4,767	+6.6
Nondurable goods industries	23,929	23,869	24,198	+0.3	-1.4	+0.7	23,903	23,270	24,510	23,318	+2.5
Food and kindred products	4,074	4,089	4,106	-0.4	-0.4	-2.5	4,279	4,351	4,443	4,251	+0.7
Tobacco products	176	168	209	+4.8	-19.6	+10.0	192	162	318	180	+6.7
Textile mill products	2,561	2,516	2,552	+1.8	-1.4	-0.2	2,560	2,405	2,527	2,621	-2.3
Paper and allied products	1,292	1,224	1,218	+5.6	+0.5	+0.1	1,299	1,207	1,192	1,171	+10.9
Chemicals and allied products	5,421	5,419	5,439	0.0	-0.4	+0.5	5,387	5,275	5,441	5,501	-2.1
Petroleum and coal products	2,446	2,377	2,353	+2.9	+1.0	+3.0	2,336	2,202	2,364	2,154	+8.4
Rubber and plastics products	1,934	1,922	1,903	+0.6	+1.0	+1.4	1,992	1,923	1,957	1,827	+9.0
Apparel, printing and publishing and leather goods	6,025	6,154	6,418	-2.1	-4.1	+2.3	5,858	5,745	6,268	5,613	+4.4
FINISHED GOODS											
All manufacturing industries	135,938	134,853	133,832	+0.8	+0.8	+0.7	135,054	130,421	133,002	129,171	+4.6
Durable goods industries	67,972	67,543	67,016	+0.6	+0.8	+1.0	67,458	64,966	66,278	63,540	+6.2
Stone, clay, and glass products	3,904	3,904	3,890	0.0	+0.4	+0.3	3,938	3,820	3,772	3,964	-0.7
Primary metals	6,694	6,592	6,614	+1.5	-0.3	+2.2	6,692	6,439	6,526	6,309	+6.1
Fabricated metal products	8,112	7,916	7,889	+2.5	+0.3	+0.4	7,996	7,465	7,631	7,596	+5.3
Industrial machinery and equipment	14,508	14,534	14,264	-0.2	+1.9	-0.4	14,714	14,234	14,107	13,904	+5.8
Electronic and other electrical equipment	11,194	10,880	10,764	+2.9	+1.1	+2.3	10,865	10,282	10,645	8,912	+21.9
Transportation equipment	8,165	8,233	8,084	-0.8	+1.8	+2.0	8,103	7,882	8,409	7,814	+3.7
Instruments and related products	5,797	5,876	5,974	-1.3	-1.6	-0.2	5,594	5,691	6,059	5,780	-3.2
Lumber, furniture and miscellaneous durable goods	9,598	9,608	9,537	-0.1	+0.7	+1.5	9,556	9,153	9,129	9,261	+3.2
Nondurable goods industries	67,966	67,310	66,816	+1.0	+0.7	+0.4	67,596	65,455	66,724	65,631	+3.0
Food and kindred products	17,005	16,781	16,635	+1.3	+0.9	0.0	16,993	16,580	17,485	16,026	+6.0
Tobacco products	822	911	810	-9.8	+12.5	+14.9	797	797	813	748	+6.6
Textile mill products	4,323	4,401	4,341	-1.8	+1.4	+0.7	4,296	4,096	4,188	4,315	-0.4
Paper and allied products	5,510	5,449	5,438	+1.1	+0.2	-0.5	5,520	5,237	5,310	5,631	-2.0
Chemicals and allied products	17,497	17,403	17,234	+0.5	+1.0	+0.2	17,632	17,375	17,136	17,450	+1.0
Petroleum and coal products	5,455	5,214	5,206	+4.6	+0.2	+2.2	5,314	4,964	5,416	4,711	+12.8
Rubber and plastics products	6,255	6,206	6,142	+0.8	+1.0	-0.8	6,373	6,103	6,003	6,126	+4.0
Apparel, printing and publishing and leather goods	11,099	10,945	11,010	+1.4	-0.6	+0.3	10,671	10,303	10,373	10,624	+0.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Oct. 1994	Jan. 1995[p]	Dec. 1994[r]	Nov. 1994	Oct. 1994
All manufacturing industries	1.33	1.32	1.34	1.37	2.86	2.87	2.88	2.94
urable goods industries	1.56	1.55	1.57	1.61	3.42	3.43	3.45	3.52
Stone, clay, and glass products	1.07	1.06	1.09	1.13	1.23	1.18	1.19	1.20
Primary metals	1.39	1.37	1.45	1.48	1.96	1.93	2.01	2.06
Fabricated metal products	1.51	1.59	1.53	1.56	1.40	1.48	1.43	1.46
Industrial machinery and equipment	1.77	1.72	1.75	1.72	2.57	2.49	2.55	2.48
Electronic and other electrical equipment	1.66	1.64	1.62	1.66	1.95	1.92	1.89	1.94
Transportation equipment	1.46	1.47	1.48	1.59	10.74	11.02	10.72	11.21
Instruments and related products	1.91	1.92	1.97	2.00	4.18	4.17	4.29	4.42
ondurable goods industries	1.06	1.05	1.07	1.09	0.77	0.76	0.76	0.76
Food and kindred products	0.85	0.82	0.85	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.90	2.18	2.17	2.01	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.52	1.57	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.07	1.09	1.10	1.12	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.12	1.12	1.14	1.16	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.84	0.85	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.29	1.29	1.32	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1995	Jan.[2] 1990-1994	Jan. 1994-Dec. 1994	Jan.[1] 1995	Jan.[2] 1990-1994	Jan. 1994-Dec. 1994	Jan.[1] 1995	Jan.[2] 1990-1994	Jan. 1994-Dec. 1994	Jan.[1] 1995	Jan.[2] 1990-1994	Jan. 1994-Dec. 1994
ll manufacturing industries	(X)	0.4	0.1	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.1	0.0
able goods industries	0.1	0.7	0.2	0.5	0.4	0.3	0.1	0.1	0.1	(X)	0.1	0.0
one, clay, and glass products	(X)	1.0	0.7	(X)	1.1	1.0	(X)	0.6	0.5	(X)	0.4	0.1
imary metals	-0.2	0.5	0.4	1.9	1.0	0.9	1.2	0.3	0.3	(X)	0.2	0.2
ibricated metal products	(X)	0.9	0.5	(X)	1.1	0.5	(X)	0.5	0.2	(X)	1.1	0.3
dustrial machinery and equipment	-0.6	0.9	0.4	0.3	1.3	0.7	0.1	0.2	0.2	(X)	0.1	0.1
ectronic and other electrical equipment	0.3	0.6	0.3	1.0	1.4	0.7	0.3	0.3	0.3	(X)	0.0	0.1
ansportation equipment	0.4	1.4	0.6	-0.2	1.6	0.9	-0.1	0.1	0.1	(X)	0.1	0.2
struments and related products	(X)	1.6	0.5	(X)	5.0	1.7	(X)	0.3	0.3	(X)	0.4	0.2
ıdurable goods industries	(X)	0.3	0.2	(X)	0.3	0.2	(X)	0.7	0.3	(X)	0.1	0.1
ood and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
obacco products	(X)	1.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.5	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.2
per and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
troleum and coal products	(X)	1.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
ıbber and plastics products	(X)	1.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
ital goods industries :												
ondefense	0.9	0.6	0.4	1.0	0.9	0.6	-0.1	0.0	0.1	(X)	0.1	0.1
fense	1.2	0.5	0.5	0.1	9.6	4.5	-0.1	0.3	0.2	(X)	0.2	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the able goods industries are shown in the advance report for the month.

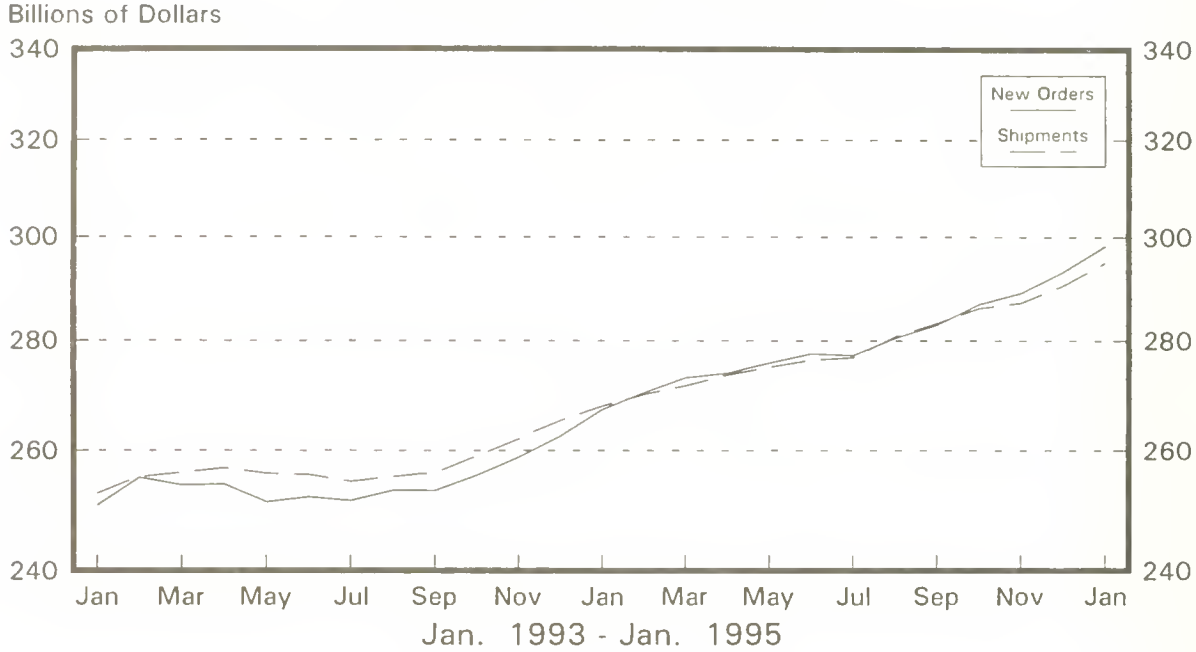
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

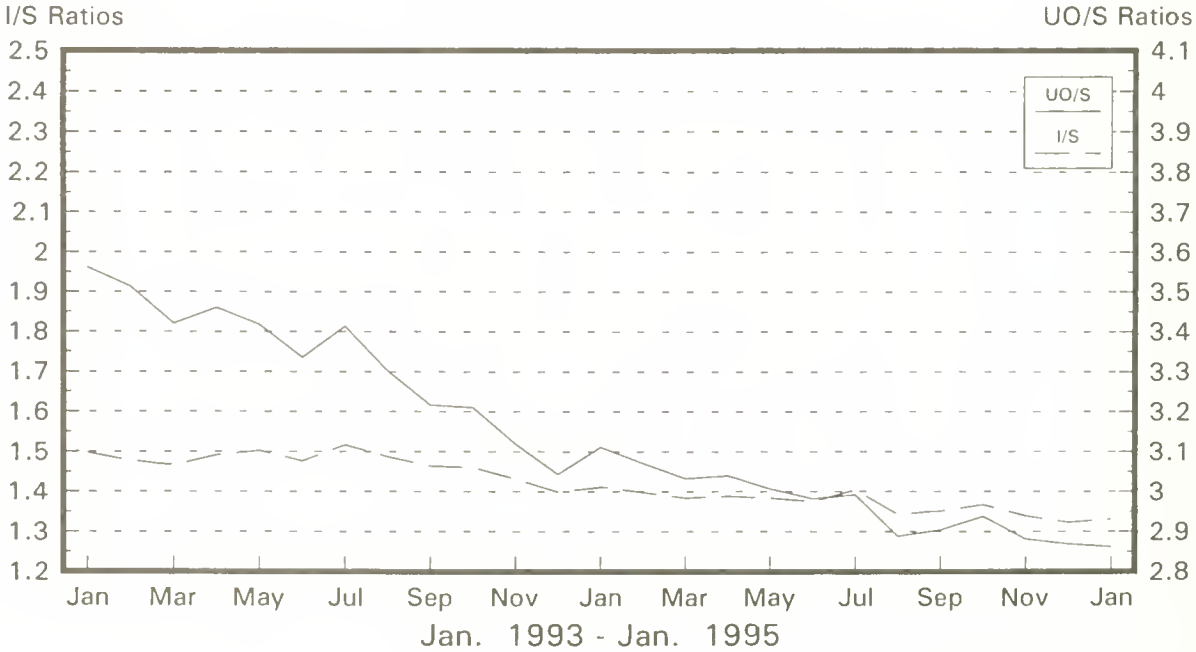
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

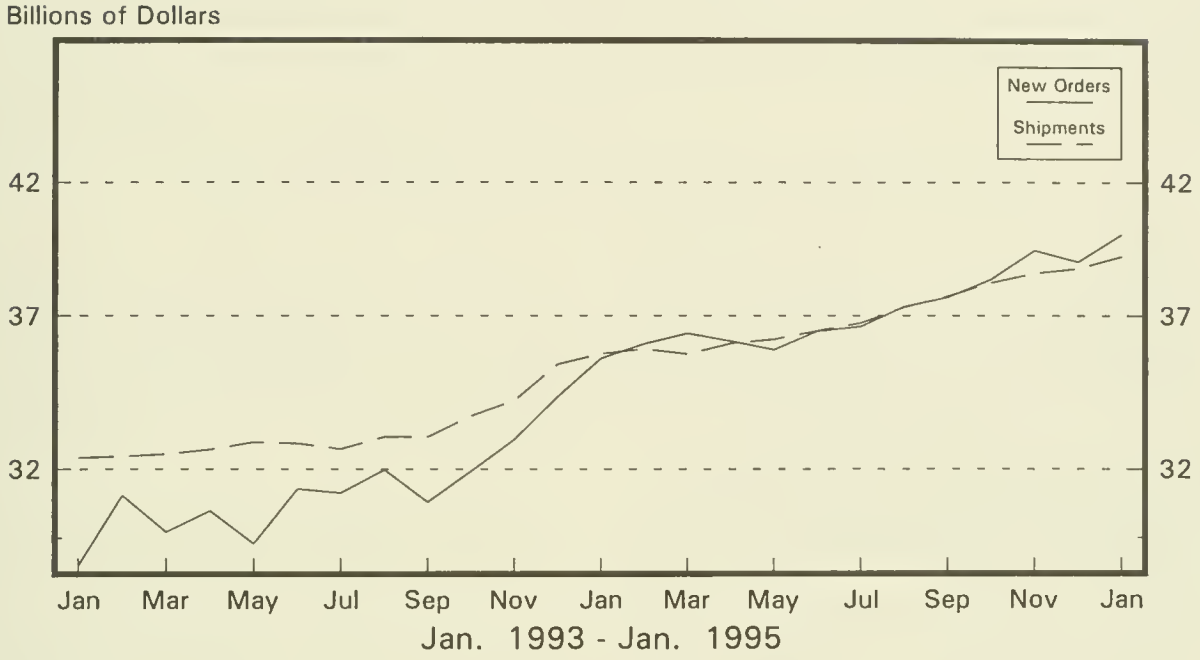
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

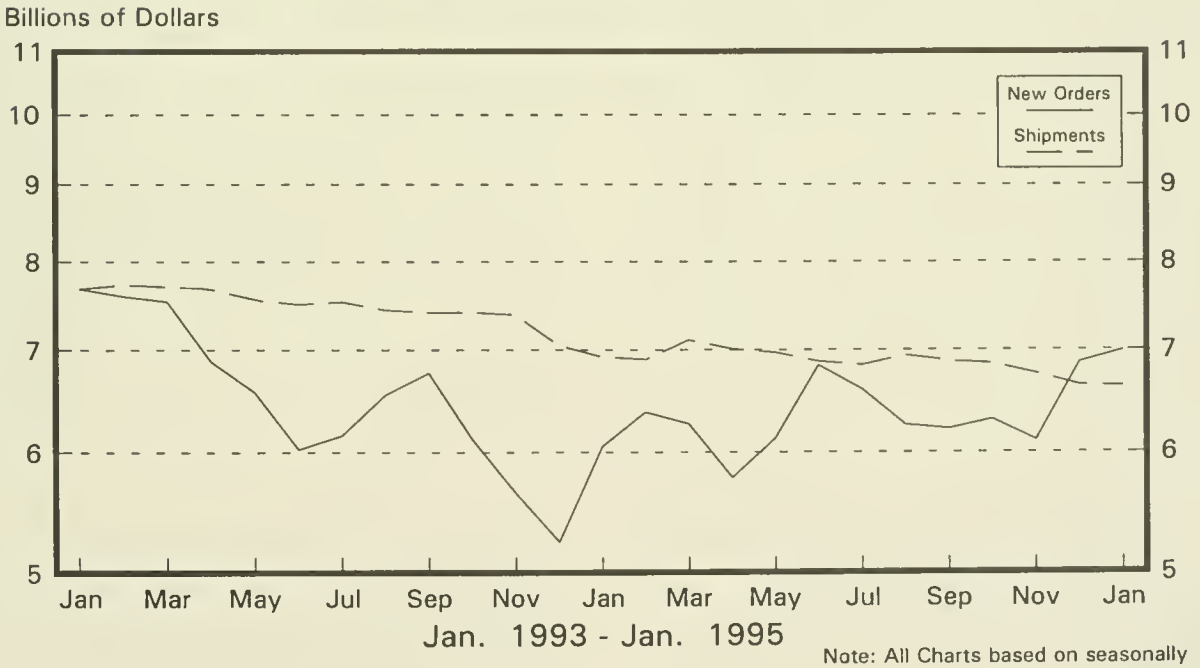
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1995 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1994	Thur., Jan. 26	Fri., Feb. 3
January 1995	Fri., Feb. 24	Fri., Mar. 3
February 1995	Fri., Mar. 24	Fri., Mar. 31
March 1995	Wed., Apr. 26	Wed., May 3
April 1995	Wed., May 24	Thurs., June 1
May 1995	Fri., June 23	Fri., June 30
June 1995	Thur., July 27	Thur., Aug. 3
July 1995	Thur., Aug. 24	Thur., Aug. 31
August 1995	Wed., Sept. 27	Wed., Oct. 4
September 1995	Thur., Oct. 26	Thur., Nov. 2
October 1995	Wed., Nov. 29	Wed., Dec. 6
November 1995	Wed., Dec. 27	Thur., Jan 4, 1996

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Manufacturers' Shipments, Inventories, and Orders

MAY 23 1995

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

February 1995
M3-1-(95)-2
For Wire Transmissions 10:00 a.m. E.S.T. March 31, 1995

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased $0.5 billion or 0.2 percent to $301.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.7 percent January increase, is the first decline since last October and the fourth in the last nineteen months.

Shipments increased $1.5 billion or 0.5 percent to $299.3 billion, following a 0.6 percent January increase. This is the fourth consecutive monthly increase and the fourteenth in the last nineteen months.

Unfilled orders, up for the sixth consecutive month, increased $1.9 billion or 0.4 percent to $462.7 billion. This follows a 0.9 percent January increase. The unfilled orders-to-shipments ratio was 2.85, unchanged from January.

Inventories increased $3.1 billion or 0.8 percent to $399.2 billion, following a 1.1 percent January increase. This is the fifth consecutive monthly increase and the twelfth in the past fourteen months. The inventories-to-shipments ratio was 1.33, unchanged from January.

New Orders

New orders for manufactured durable goods in February decreased $1.3 billion or 0.8 percent to $163.2 billion, unrevised from the previously published 0.8 percent decrease. This follows a 1.4 percent January increase and is the first decrease since last October.

Electronic and other electrical equipment had the largest decline, $1.2 billion or 4.8 percent to $24.7 billion, following a 0.7 percent January increase. The February decline, largely due to communication equipment, was the first since last July. Primary metals decreased $0.3 billion or 2.1 percent to $15.2 billion. This follows a 1.5 percent January decline, which was the first since last July. Fabricated metal products declined $0.2 billion or 1.5 percent to $16.2 billion, following a 7.8 percent January increase. Industrial machinery and equipment increased $0.5 billion or 1.7 percent to $31.3 billion; the largest increase was for computer and office equipment. This follows a 9.1 percent January increase. Transportation equipment increased $0.4 billion or 1.1 percent to $40.1 billion; a large increase in aircraft and aircraft parts more than offset a decline in shipbuilding and tanks. The transportation equipment increase follows a 5.0 percent January decrease and two consecutive monthly increases.

New orders for nondurable goods were $138.0 billion, up $0.8 billion or 0.6 percent from January. Increases in petroleum and coal products and paper and allied products more than offset declines in leather and leather products and food and kindred products.

Shipments

Shipments of durable goods in February increased $0.4 billion or 0.3 percent to $161.5 billion, unrevised from the previously published 0.3 percent increase. This follows a 1.1 percent January increase, is the fourth consecutive monthly increase and the fourteenth in the last nineteen months. Industrial machinery and equipment had the largest increase, $1.1 billion or 3.6 percent to $30.2 billion; increases were widespread. This is the third consecutive increase and the ninth in the last ten months. Instruments and related products, up for the fourth consecutive month, increased $0.2 billion or 1.5 percent to $11.6 billion. Transportation equipment increased 0.1 percent to $40.3 billion. Fabricated metal products declined $0.2 billion or 1.5 percent to $16.0 billion, following a 6.7 percent January increase. Primary metals decreased $0.2 billion or 1.1 percent to $15.1 billion, the first decline since January 1994. Electronic and other electrical equipment decreased $0.1 billion or 0.6 percent to $24.5 billion. This is the second consecutive monthly decline following fourteen consecutive increases.

Shipments of nondurable goods increased $1.1 billion or 0.8 percent to $137.8 billion, the third increase in the last four months. Petroleum and coal products, up for the fourth consecutive month, increased $0.8 billion or 6.1 percent to $13.5 billion. Paper and allied products increased $0.4 billion or 2.8 percent to $13.4 billion, the eleventh consecutive increase. Food and kindred products, down for the second consecutive month, declined $0.2 billion or 0.5 percent to $36.3 billion.

Unfilled Orders

Unfilled orders for durable goods in February increased $1.7 billion or 0.4 percent to $436.4 billion, unrevised from the previously published 0.4 percent increase. This is the sixth consecutive monthly increase. Industrial machinery and equipment had the largest increase, $1.1 billion or 1.7 percent to $70.2 billion. This follows a 2.5 percent January increase and is the nineteenth in the last twenty months. Electronic and other electrical equipment, up for the sixth consecutive month, increased $0.3 billion or 0.5 percent to $48.9 billion, due to electronic components. Fabricated metal products increased $0.2 billion or 1.2 percent to $21.2 billion, the fourth consecutive monthly increase. Primary metals was up $0.1 billion or 0.5 percent to $29.6 billion, the fifteenth consecutive monthly increase. Transportation equipment, down nearly every month since August 1991, decreased $0.1 billion or 0.1 percent to $202.4 billion.

Inventories

Inventories for durable goods in February increased $1.6 billion or 0.6 percent to $251.9 billion. Except for the 0.1 percent decrease last September, inventories have increased every month since March 1994. Electronic and other electrical equipment, up for the fourteenth consecutive month, increased $0.8 billion or 2.0 percent to $42.2 billion. Industrial machinery and equipment increased $0.5 billion or 1.0 percent to $51.4 billion. This follows a 2.4 percent January increase and is the twenty-first increase in the last twenty-three months. Primary metals increased $0.2 billion or 0.9 percent to $21.3 billion, the sixth consecutive monthly increase. Fabricated metal products increased $0.2 billion or 0.6 percent to $24.5 billion, the fifth consecutive monthly increase. Transportation equipment, down for the seventh consecutive month, decreased $0.3 billion or 0.6 percent to $58.2 billion.

Inventories for nondurable goods increased $1.5 billion or 1.0 percent to $147.4 billion, the fifth consecutive monthly increase. All major industry groups increased. Rubber and plastic products, up for the fifth consecutive month, increased $0.4 billion or 3.0 percent to $13.7 billion. Chemicals and allied products, up for the fourth consecutive month, increased $0.3 billion or 0.7 percent to $34.7 billion.

By stage of fabrication, finished goods increased 0.6 percent in durables and 1.0 percent in nondurables. Work in process increased 0.4 percent in durables and 0.7 percent in nondurables. Materials and supplies increased 1.1 percent in durables and 1.2 percent in nondurables.

The advance report on durable goods for March is scheduled for April 26, 1995 at 8:30 a.m. and the full report on May 3, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb 1995[p]	Jan 1995[r]	Dec 1994	Jan - Feb	Dec - Jan	Nov - Dec.	Feb 1995[p]	Jan 1995[r]	Dec 1994	Feb 1994	Feb 95/94	1995[p]	1994
All manufacturing industries	299,326	297,790	296,053	+0.5	+0.6	+1.7	295,896	268,357	290,089	268,436	+10.2	564,253	509,614
Manufacturing Industries													
with unfilled orders	162,382	161,681	159,252	+0.4	+1.5	+1.2	159,849	144,004	161,925	142,954	+11.8	303,853	270,306
without defense capital goods	292,660	291,018	289,720	+0.6	+0.4	+1.9	289,497	262,815	282,420	261,852	+10.6	552,312	497,221
Durable goods industries	161,507	161,079	159,299	+0.3	+1.1	+1.3	161,185	142,687	158,773	145,679	+10.6	303,872	273,341
With unfilled orders	128,094	127,636	125,621	+0.4	+1.6	+1.2	125,910	112,410	129,185	112,877	+11.5	238,320	212,678
Stone, clay, and glass products	7,301	7,210	7,205	+1.3	+0.1	+4.2	6,698	6,068	6,204	5,789	+15.7	12,766	11,065
Primary metals	15,094	15,255	15,114	-1.1	+0.9	+6.8	15,412	14,503	13,963	12,367	+24.6	29,915	23,566
Blast furnaces, steel mills	6,392	6,319	6,662	+1.2	-5.1	+8.6	6,520	6,113	6,153	5,737	+13.6	12,633	10,917
Iron and steel foundries	1,345	1,374	1,405	-2.1	-2.2	+8.6	1,395	1,288	1,168	1,192	+17.0	2,683	2,248
Nonferrous and other primary metals	7,357	7,562	7,047	-2.7	+7.3	+4.8	7,497	7,102	6,642	5,438	+37.9	14,599	10,401
Fabricated metal products	15,974	16,221	15,208	-1.5	+6.7	-2.3	15,933	14,715	14,293	14,769	+7.9	30,648	28,224
Industrial machinery and equipment	30,202	29,149	28,805	+3.6	+1.2	+1.6	29,546	24,628	32,027	25,601	+15.4	54,174	46,994
Engines and turbines	2,027	1,964	1,963	+3.2	+0.1	+1.9	1,888	1,563	2,897	1,579	+19.6	3,451	2,904
Farm and garden machinery	1,894	1,836	1,748	+3.2	+5.0	+2.0	2,254	1,656	1,448	1,971	+14.4	3,910	3,374
Construction, mining and material handling equipment	3,170	3,128	3,090	+1.3	+1.2	+5.1	3,348	2,816	2,938	2,759	+21.3	6,164	5,086
Metalworking machinery	3,370	3,298	2,982	+2.2	+10.6	-4.1	3,255	2,736	3,276	2,597	+25.3	5,991	4,803
Computer and office equipment	7,962	7,592	7,713	+4.9	-1.6	-1.5	7,078	5,694	10,667	6,234	+13.5	12,772	11,467
Electronic and other electrical equipment	24,456	24,602	24,641	-0.6	-0.2	+0.7	23,861	21,604	26,141	21,000	+13.6	45,465	39,540
Electrical transmission and distribution equipment and industrial apparatus	2,803	2,777	2,678	+0.9	+3.7	+0.5	2,921	2,444	2,650	2,671	+9.4	5,365	4,892
Household appliances	1,889	1,945	1,942	-2.9	+0.2	+2.2	1,800	1,632	1,819	1,747	+3.0	3,432	3,174
Electric lighting and wiring equipment	1,950	1,944	1,886	+0.3	+3.1	+1.0	2,016	1,722	1,954	1,787	+12.8	3,738	3,310
Household audio and video equipment	1,138	1,111	1,105	+2.4	+0.5	+1.6	1,042	914	1,045	905	+15.1	1,956	1,715
Communications equipment	5,686	5,785	5,727	-1.7	+1.0	-0.5	5,250	4,730	7,426	4,265	+23.1	9,980	7,894
Electronic components	8,874	8,852	8,963	+0.2	-1.2	+3.4	8,892	8,241	8,913	7,435	+19.6	17,133	14,345
Transportation equipment	40,257	40,217	40,002	+0.1	+0.5	+0.3	42,190	35,844	38,305	40,241	+4.8	78,034	74,556
Motor vehicles and parts	28,780	28,779	29,246	0.0	-1.6	+2.9	31,058	26,489	25,619	29,516	+5.2	57,547	54,563
Aircraft, missiles, space vehicles, and parts	8,698	8,505	8,069	+2.3	+5.4	-6.4	8,364	6,753	10,074	8,040	+4.0	15,117	15,209
Shipbuilding and tanks	819	953	757	-14.1	+25.9	-7.0	804	780	921	1,028	-21.8	1,584	1,769
Instruments and related products	11,641	11,465	11,412	+1.5	+0.5	+2.3	11,234	10,140	12,306	10,392	+8.1	21,374	19,939
Search and navigation equipment	2,636	2,643	2,451	-0.3	+7.8	+4.1	2,569	2,206	2,873	2,438	+5.4	4,775	4,549
Measuring and controlling devices	3,546	3,427	3,532	+3.5	-3.0	+4.3	3,486	3,167	3,696	2,999	+16.2	6,653	5,862
Medical instruments and supplies	3,122	3,103	3,103	+0.6	0.0	+0.7	3,053	2,878	3,298	2,880	+6.0	5,931	5,568
Photographic goods	1,946	1,888	1,904	+3.1	-0.8	-4.1	1,751	1,535	2,039	1,739	+0.7	3,286	3,317
All other durable goods	16,582	16,960	16,912	-2.2	+0.3	+0.7	16,311	15,185	15,534	15,520	+5.1	31,496	29,457
Nondurable goods industries	137,819	136,711	136,754	+0.8	0.0	+2.1	134,711	125,670	131,316	122,757	+9.7	260,381	236,273
With unfilled orders	34,288	34,045	33,631	+0.7	+1.2	+1.3	33,939	31,594	32,740	30,077	+12.8	65,533	57,628
Food and kindred products	36,324	36,522	37,512	-0.5	-2.6	+2.5	35,373	33,293	37,505	34,854	+1.5	68,666	66,839
Meat products	8,208	8,103	8,393	+1.3	-3.5	+3.4	7,995	7,564	8,317	7,905	+1.1	15,559	15,466
Dairy products	4,840	4,872	4,935	-0.7	-1.3	+3.8	4,685	4,499	4,760	4,541	+3.2	9,184	8,741
Beverages	5,249	5,305	5,359	-1.1	-1.0	+0.6	4,714	4,474	5,042	4,658	+1.2	9,188	8,901
All other foods, except fats and oils	16,051	16,288	16,861	-1.5	-3.4	+3.2	16,003	14,802	17,422	15,870	+0.8	30,805	30,014
Tobacco products	3,135	3,039	2,657	+3.2	+14.4	+0.6	2,762	2,475	2,937	2,675	+3.3	5,237	5,259
Textile mill products	6,374	6,390	6,460	-0.3	-1.1	+3.3	6,190	5,525	5,879	5,859	+5.6	11,715	10,903
Broadwoven fabrics and other textiles	3,993	3,998	4,066	-0.1	-1.7	+3.2	3,949	3,526	3,831	3,690	+7.0	7,475	6,852
Paper and allied products	13,405	13,046	12,476	+2.8	+4.6	+1.3	13,506	12,623	12,093	10,888	+24.0	26,129	21,110
Pulp, paper, and paperboard mill products	5,717	5,499	5,070	+4.0	+8.5	+1.1	5,791	5,341	5,005	4,305	+34.5	11,132	8,392
Paperboard containers and boxes	3,600	3,508	3,369	+2.6	+4.1	+3.3	3,582	3,394	3,156	2,718	+31.8	6,976	5,272
Miscellaneous converted paper products	4,088	4,039	4,037	+1.2	0.0	0.0	4,133	3,888	3,932	3,865	+6.9	8,021	7,452
Chemicals and allied products	30,653	30,502	30,611	+0.5	-0.4	+2.3	30,367	28,931	29,018	26,435	+14.9	59,298	51,75[illegible]
Industrial chemicals	16,741	16,844	16,810	-0.6	+0.2	+4.4	16,942	16,035	15,486	13,989	+21.1	32,977	26,93[illegible]
Drugs, soaps, and toiletries	10,381	10,236	10,313	+1.4	-0.7	-1.1	10,018	9,922	10,629	9,493	+5.5	19,940	19,178
Petroleum and coal products	13,510	12,738	12,557	+6.1	+1.4	+1.9	12,108	11,327	12,196	10,388	+16.6	23,435	20,30[illegible]
Rubber and plastics products	10,147	10,115	10,129	+0.3	-0.1	+2.1	10,211	9,476	9,064	9,055	+12.8	19,687	17,320
All other nondurable goods	24,271	24,359	24,352	-0.4	0.0	+1.8	24,194	22,020	22,624	22,603	+7.0	46,214	42,778

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey variability

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Feb. 1994	Feb.-95/94	1995[p]	1994
All manufacturing industries	301,227	301,724	299,514	-0.2	+0.7	+2.0	299,951	277,672	294,165	270,065	+11.1	577,623	520,020
lanufacturing industries with unfilled orders	164,283	165,615	162,713	-0.8	+1.8	+1.8	163,904	153,319	166,001	144,583	+13.4	317,223	280,712
without defense capital goods	294,837	295,550	290,293	-0.2	+1.8	+0.7	293,874	272,435	281,823	264,714	+11.0	566,309	507,676
urable goods industries	163,211	164,507	162,310	-0.8	+1.4	+1.9	164,791	151,168	162,526	146,688	+12.3	315,959	282,464
With unfilled orders	129,798	131,064	128,632	-1.0	+1.9	+1.9	129,516	120,891	132,938	113,886	+13.7	250,407	221,801
one, clay, and glass products	7,193	7,514	7,493	-4.3	+0.3	+4.5	6,936	6,468	6,280	6,170	+12.4	13,404	11,527
imary metals	15,243	15,569	15,813	-2.1	-1.5	+8.0	16,155	16,196	15,213	13,148	+22.9	32,351	25,584
Blast furnaces, steel mills	6,308	6,496	6,669	-2.9	-2.6	+9.2	6,994	7,096	6,152	6,270	+11.5	14,090	12,054
Iron and steel foundries	1,545	1,366	1,638	+13.1	-16.6	+24.2	1,550	1,414	1,414	1,178	+31.6	2,964	2,425
Nonferrous and other primary metals	7,390	7,707	7,506	-4.1	+2.7	+4.0	7,611	7,686	7,647	5,700	+33.5	15,297	11,105
ibricated metal products	16,221	16,465	15,278	-1.5	+7.8	-2.6	16,168	15,157	14,628	14,692	+10.0	31,325	28,171
dustrial machinery and equipment	31,344	30,818	28,242	+1.7	+9.1	-6.0	30,953	27,248	30,879	26,603	+16.4	58,201	49,697
Engines and turbines	1,870	1,987	1,212	-5.9	+63.9	-42.1	1,522	1,450	2,114	1,512	+0.7	2,972	2,830
Construction, mining and material handling equipment	3,234	3,466	3,065	-6.7	+13.1	-0.2	3,442	3,404	2,886	3,000	+14.7	6,846	5,462
Metalworking machinery	3,577	3,717	2,969	-3.8	+25.2	-9.7	3,462	3,155	3,263	2,802	+23.6	6,617	5,532
Computer and office equipment	8,376	7,824	7,713	+7.1	+1.4	-2.9	7,727	5,781	9,793	6,159	+25.5	13,508	11,484
ectronic and other lectrical equipment	24,718	25,960	25,773	-4.8	+0.7	+4.0	24,625	24,387	26,570	21,507	+14.5	49,012	42,046
Electrical transmission and distribution equipment and industrial apparatus	2,902	2,982	2,571	-2.7	+16.0	+1.5	3,044	2,696	2,482	2,804	+8.6	5,740	5,242
Electric lighting and wiring equipment	2,011	2,086	1,909	-3.6	+9.3	+5.5	2,077	1,864	1,977	1,796	+15.6	3,941	3,368
Communications equipment	5,517	6,217	6,512	-11.3	-4.5	+12.0	5,069	5,157	8,184	4,527	+12.0	10,226	7,981
Electronic components	9,439	9,687	9,180	-2.6	+5.5	+2.1	9,978	10,045	8,765	7,489	+33.2	20,023	15,874
nsportation equipment	40,117	39,692	41,774	+1.1	-5.0	+5.8	42,290	35,592	41,368	38,480	+9.9	77,882	75,905
Aircraft, missiles, space vehicles, and parts	9,084	7,315	6,251	+24.2	+17.0	-28.1	8,852	5,627	9,478	6,564	+34.9	14,479	16,873
Shipbuilding and tanks	457	1,650	3,798	-72.3	-56.6	+769.1	486	1,490	3,880	546	-11.0	1,976	1,054
truments and related products	11,768	11,466	11,185	+2.6	+2.5	+4.2	11,232	10,394	12,676	10,563	+6.3	21,626	19,769
earch and navigation equipment	2,382	2,242	2,324	+6.2	-3.5	+15.5	2,179	2,039	3,336	2,794	-22.0	4,218	4,240
Measuring and controlling devices	3,830	3,778	3,633	+1.4	+4.0	+5.5	3,770	3,518	3,797	3,047	+23.7	7,288	6,016
Medical instruments and supplies	3,162	3,128	2,912	+1.1	+7.4	-3.2	3,093	2,903	3,107	2,703	+14.4	5,996	5,560
other durable goods	16,607	17,023	16,751	-2.4	+1.6	-0.1	16,432	15,726	14,912	15,525	+5.8	32,158	29,765
ndurable goods industries	138,016	137,217	137,204	+0.6	0.0	+2.1	135,160	126,504	131,639	123,377	+9.6	261,664	237,556
With unfilled orders	34,485	34,551	34,081	-0.2	+1.4	+1.1	34,388	32,428	33,063	30,697	+12.0	66,816	58,911

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), anufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb 1995	Jan 1995[r]	Dec 1994	Jan - Feb	Dec - Jan	Nov - Dec	Feb 1995[p]	Jan 1995[r]	Dec 1994	Feb 1994	Feb 95/94
All manufacturing industries	462,673	460,772	456,838	+0.4	+0.9	+0.8	465,138	461,083	451,768	448,764	+3.6
Manufacturing industries without defense capital goods	351,068	348,891	344,359	+0.6	+1.3	+0.2	352,660	348,283	338,663	331,675	+6.3
Durable goods industries	436,437	434,733	431,305	+0.4	+0.8	+0.7	439,535	435,929	427,448	426,750	+3.0
Stone, clay, and glass products	8,223	8,331	8,027	-1.3	+3.8	+3.7	8,152	7,914	7,514	7,281	+12.0
Primary metals	29,644	29,495	29,181	+0.5	+1.1	+2.5	30,295	29,552	27,859	23,566	+28.6
Blast furnaces, steel mills	11,520	11,604	11,427	-0.7	+1.5	+0.1	12,108	11,634	10,651	10,849	+11.6
Iron and steel foundries	3,948	3,748	3,756	+5.3	-0.2	+6.6	3,968	3,813	3,687	3,220	+23.2
Nonferrous and other primary metals	14,176	14,143	13,998	+0.2	+1.0	+3.4	14,219	14,105	13,521	9,497	+49.7
Fabricated metal products	21,154	20,907	20,663	+1.2	+1.2	+0.3	21,169	20,934	20,492	19,993	+5.9
Industrial machinery and equipment	70,224	69,082	67,413	+1.7	+2.5	-0.8	71,223	69,816	67,196	55,681	+27.9
Engines and turbines	10,086	10,243	10,220	-1.5	+0.2	-6.8	10,145	10,511	10,624	10,065	+0.8
Construction, mining and material handling equipment	7,494	7,430	7,092	+0.9	+4.8	-0.4	7,681	7,587	6,999	6,167	+24.6
Metalworking machinery	10,203	9,996	9,577	+2.1	+4.4	-0.1	10,203	9,996	9,577	8,064	+26.5
Computer and office equipment	12,230	11,816	11,584	+3.5	+2.0	0.0	11,936	11,287	11,200	7,268	+64.2
Electronic and other electrical equipment	48,892	48,630	47,272	+0.5	+2.9	+2.5	49,679	48,915	46,132	46,944	+5.8
Electrical transmission and distribution equipment and industrial apparatus	6,092	5,993	5,788	+1.7	+3.5	-1.8	6,121	5,998	5,746	6,120	0.0
Electric lighting and wiring equipment	3,846	3,785	3,643	+1.6	+3.9	+0.6	3,846	3,785	3,643	3,295	+16.7
Communications equipment	15,261	15,430	14,998	-1.1	+2.9	+5.5	15,250	15,431	15,004	15,119	+0.9
Electronic components	18,186	17,621	16,786	+3.2	+5.0	+1.3	18,822	17,736	15,932	16,633	+13.2
Transportation equipment	202,425	202,565	203,090	-0.1	-0.3	+0.9	203,022	202,922	203,174	214,825	-5.5
Aircraft, missiles, space vehicles, and parts	169,875	169,489	170,679	+0.2	-0.7	-1.1	170,254	169,766	170,892	185,689	-8.3
Shipbuilding and tanks	19,346	19,708	19,011	-1.8	+3.7	+19.0	19,331	19,649	18,939	18,581	+4.0
Instruments and related products	47,766	47,639	47,638	+0.3	0.0	-0.5	48,270	48,272	48,018	51,224	-5.8
Search and navigation equipment	30,645	30,899	31,300	-0.8	-1.3	-0.4	31,150	31,540	31,707	33,981	-8.3
Measuring and controlling devices	9,884	9,600	9,249	+3.0	+3.8	+1.1	9,884	9,600	9,249	8,986	+10.0
Medical instruments and supplies	6,357	6,317	6,292	+0.6	+0.4	-2.9	6,357	6,317	6,292	7,448	-14.6
All other durable goods	8,109	8,084	8,021	+0.3	+0.8	-2.0	7,725	7,604	7,063	7,236	+6.8
Nondurable goods industries	26,236	26,039	25,533	+0.8	+2.0	+1.8	25,603	25,154	24,320	22,014	+16.3

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Feb. 1994	Feb. 95/94
All manufacturing industries	399,223	396,104	391,810	+0.8	+1.1	+0.5	401,440	394,792	384,058	381,699	+5.2
Manufacturing industries											
with unfilled orders	265,257	263,455	260,413	+0.7	+1.2	+0.5	265,891	261,106	253,369	251,942	+5.5
without defense capital goods	376,980	373,494	369,065	+0.9	+1.2	+0.6	379,356	372,755	362,307	355,522	+6.7
Durable goods industries	251,866	250,251	247,644	+0.6	+1.1	+0.5	253,442	248,914	241,784	239,966	+5.6
With unfilled orders	230,331	228,937	226,438	+0.6	+1.1	+0.5	230,899	226,981	220,503	218,748	+5.6
Stone, clay, and glass products	7,783	7,720	7,653	+0.8	+0.9	+1.1	8,019	7,765	7,541	7,706	+4.1
Primary metals	21,294	21,095	20,772	+0.9	+1.6	+1.5	21,414	21,137	20,749	19,538	+9.6
Blast furnaces, steel mills	10,073	9,912	9,779	+1.6	+1.4	+0.2	10,184	10,079	9,987	9,586	+6.2
Iron and steel foundries	1,594	1,600	1,603	-0.4	-0.2	+0.9	1,613	1,602	1,581	1,453	+11.0
Nonferrous and other primary metals	9,627	9,583	9,390	+0.5	+2.1	+3.0	9,617	9,456	9,181	8,499	+13.2
Fabricated metal products	24,481	24,329	24,149	+0.6	+0.7	+1.3	24,710	24,353	23,714	23,304	+6.0
Industrial machinery and equipment	51,360	50,839	49,654	+1.0	+2.4	-0.1	51,735	50,676	48,269	47,303	+9.4
Engines and turbines	3,799	3,811	3,838	-0.3	-0.7	+3.0	3,687	3,614	3,503	3,416	+7.9
Farm and garden machinery	2,856	2,838	2,828	+0.6	+0.4	+3.7	3,119	3,101	2,995	2,659	+17.3
Construction, mining and material handling equipment	6,307	6,225	6,178	+1.3	+0.8	-0.3	6,389	6,234	6,053	5,669	+12.7
Metalworking machinery	5,841	5,817	5,706	+0.4	+1.9	+1.4	5,829	5,735	5,479	5,299	+10.0
Computer and office equipment	11,695	11,690	10,961	0.0	+6.7	-3.5	11,543	11,465	10,411	11,341	+1.8
Electronic and other electrical equipment	42,234	41,421	40,393	+2.0	+2.5	+1.7	42,208	40,849	39,007	34,628	+21.9
Electrical transmission and distribution equipment and industrial apparatus	4,803	4,790	4,708	+0.3	+1.7	+1.4	4,770	4,715	4,552	4,216	+13.1
Household appliances	2,890	2,843	2,774	+1.7	+2.5	-0.8	3,017	2,830	2,552	2,716	+11.1
Electric lighting and wiring equipment	3,146	3,149	3,088	-0.1	+2.0	+1.2	3,127	3,060	2,937	2,937	+6.5
Household audio and video equipment	1,379	1,350	1,295	+2.1	+4.2	+2.7	1,325	1,287	1,212	996	+33.0
Communications equipment	13,638	13,042	12,503	+4.6	+4.3	+3.5	13,709	12,888	12,072	9,767	+40.4
Electronic components	12,865	12,703	12,493	+1.3	+1.7	+0.7	12,775	12,604	12,283	10,808	+18.2
Transportation equipment	58,220	58,561	58,657	-0.6	-0.2	-0.3	58,648	58,234	57,197	61,795	-5.1
Motor vehicles and parts	12,119	12,106	12,036	+0.1	+0.6	+1.0	12,346	12,270	11,974	11,883	+3.9
Aircraft, missiles, space vehicles, and parts	41,508	42,016	42,248	-1.2	-0.5	-0.7	41,520	41,461	40,913	45,657	-9.1
Shipbuilding and tanks	1,563	1,532	1,519	+2.0	+0.9	+2.3	1,587	1,508	1,451	1,585	+0.1
Instruments and related products	21,908	21,811	21,907	+0.4	-0.4	-0.3	21,787	21,279	21,267	21,885	-0.4
Search and navigation equipment	5,631	5,565	5,601	+1.2	-0.6	+1.0	5,609	5,333	5,434	5,723	-2.0
Measuring and controlling devices	6,844	6,769	6,704	+1.1	+1.0	+0.5	6,844	6,695	6,560	6,446	+6.2
Medical instruments and supplies	6,050	6,107	6,193	-0.9	-1.4	-0.2	5,983	5,986	6,058	6,095	-1.8
Photographic goods	2,518	2,497	2,503	+0.8	-0.2	-5.6	2,483	2,401	2,321	2,812	-11.7
All other durable goods	24,586	24,475	24,459	+0.5	+0.1	+0.6	24,921	24,621	24,040	23,807	+4.7
Nondurable goods industries	147,357	145,853	144,166	+1.0	+1.2	+0.4	147,998	145,878	142,274	141,733	+4.4
With unfilled orders	34,926	34,518	33,975	+1.2	+1.6	+0.4	34,992	34,125	32,866	33,194	+5.4
Food and kindred products	31,244	31,167	30,860	+0.2	+1.0	-0.2	31,279	31,688	31,171	30,112	+3.9
Meat products	3,473	3,456	3,411	+0.5	+1.3	+1.2	3,501	3,384	3,202	3,321	+5.4
Dairy products	2,807	2,788	2,784	+0.7	+0.1	+0.7	2,709	2,709	2,613	2,606	+4.0
Beverages	5,297	5,260	5,138	+0.7	+2.4	-2.2	5,308	5,270	5,134	5,353	-0.8
All other foods, except fats and oils	18,019	18,037	17,894	-0.1	+0.8	-0.1	18,037	18,584	18,517	17,021	+6.0
Tobacco products	5,747	5,692	5,780	+1.0	-1.5	+0.7	6,057	6,013	5,966	6,249	-3.1
Textile mill products	9,876	9,844	9,817	+0.3	+0.3	+0.1	10,044	9,811	9,345	9,781	+2.7
Broadwoven fabrics and other textiles	5,511	5,492	5,482	+0.3	+0.2	+0.4	5,627	5,526	5,265	5,513	+2.1
Paper and allied products	14,083	13,872	13,612	+1.5	+1.9	+0.7	14,292	13,916	13,432	13,626	+4.9
Pulp, paper, and paperboard mill products	5,485	5,445	5,352	+0.7	+1.7	-1.3	5,567	5,477	5,290	5,877	-5.3
Paperboard containers and boxes	3,776	3,634	3,510	+3.9	+3.5	+1.9	3,874	3,677	3,525	3,201	+21.0
Miscellaneous converted paper products	4,822	4,793	4,750	+0.6	+0.9	+2.2	4,851	4,762	4,617	4,548	+6.7
Chemicals and allied products	34,656	34,400	34,295	+0.7	+0.3	+0.9	35,165	34,523	34,162	34,701	+1.3
Industrial chemicals	17,059	16,883	16,617	+1.0	+1.6	+1.8	17,349	17,154	16,753	16,570	+4.7
Drugs, soaps, and toiletries	13,075	12,979	13,202	+0.7	-1.7	-0.3	12,905	12,601	12,838	13,383	-3.6
Petroleum and coal products	11,025	10,907	10,530	+1.1	+3.6	+0.8	10,678	10,517	10,058	9,858	+8.3
Rubber and plastics products	13,726	13,324	13,043	+3.0	+2.2	+1.7	14,030	13,492	13,051	12,599	+11.4
All other nondurable goods	27,000	26,647	26,229	+1.3	+1.6	-0.5	26,453	25,918	25,089	24,807	+6.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Feb. 1994	Feb. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	299,326	297,790	296,053	+0.5	+0.6	+1.7	295,896	268,357	290,089	268,436	+10.2	564,253	509,614
Market categories :													
Automotive equipment	14,833	14,787	14,957	+0.3	-1.1	+1.7	15,849	13,494	13,082	14,795	+7.1	29,343	27,320
Home goods and apparel	19,622	19,776	19,726	-0.8	+0.3	+3.1	19,548	17,139	17,052	18,254	+7.1	36,687	33,835
Consumer staples	60,823	60,466	61,000	+0.6	-0.9	+1.7	58,425	55,369	61,515	56,036	+4.3	113,794	108,866
Machinery and equipment	53,832	52,590	52,007	+2.4	+1.1	+0.8	53,031	44,799	56,859	47,085	+12.6	97,830	87,085
Business supplies	22,122	22,187	22,065	-0.3	+0.6	+1.6	21,664	20,397	21,333	19,779	+9.5	42,061	37,925
Construction materials and supplies	19,297	19,108	18,847	+1.0	+1.4	+0.5	18,304	16,619	17,103	16,584	+10.4	34,923	31,547
Defense products	7,205	7,325	6,802	-1.6	+7.7	-6.9	6,975	6,133	7,896	7,032	-0.8	13,108	13,252
Other materials, supplies and and intermediate products	101,592	101,551	100,649	0.0	+0.9	+2.7	102,100	94,407	95,249	88,871	+14.9	196,507	169,784
Durable goods industries :													
Nondefense capital goods [3]	41,003	39,862	39,020	+2.9	+2.2	+0.2	39,422	33,016	45,834	34,243	+15.1	72,438	63,132
Excluding aircraft and parts	35,813	34,885	34,367	+2.7	+1.5	+0.8	34,414	29,134	39,960	29,775	+15.6	63,548	54,712
Defense capital goods [4]	6,666	6,772	6,333	-1.6	+6.9	-6.9	6,399	5,542	7,669	6,584	-2.8	11,941	12,393
Durables excluding capital goods	113,838	114,445	113,946	-0.5	+0.4	+2.1	115,364	104,129	105,270	104,852	+10.0	219,493	197,816
Miscellaneous series :													
Producers' durable equipment	103,474	102,534	101,598	+0.9	+0.9	+0.9	103,975	90,229	103,028	95,049	+9.4	194,204	177,075
Household durable goods	8,298	8,492	8,435	-2.3	+0.7	+2.5	8,089	7,328	7,826	7,580	+6.7	15,417	14,141
Information technology industries	19,358	18,937	19,130	+2.2	-1.0	0.0	17,831	15,347	24,034	15,506	+15.0	33,178	29,026
Health care equipment and products	8,763	8,665	8,704	+1.1	-0.4	-0.4	8,504	8,265	9,056	8,041	+5.8	16,769	15,982
NEW ORDERS													
All manufacturing industries	301,227	301,724	299,514	-0.2	+0.7	+2.0	299,951	277,672	294,165	270,065	+11.1	577,623	520,020
Market categories :													
Automotive equipment	14,806	14,791	15,000	+0.1	-1.4	+1.9	15,836	13,553	13,129	14,821	+6.8	29,389	27,412
Home goods and apparel	19,565	20,025	19,436	-2.3	+3.0	+2.1	19,767	18,502	16,332	18,662	+5.9	38,269	35,282
Consumer staples	60,845	60,505	60,970	+0.6	-0.8	+1.6	58,417	55,372	61,541	56,004	+4.3	113,789	108,785
Machinery and equipment	54,699	54,107	50,833	+1.1	+6.4	-4.5	54,324	47,348	55,064	47,586	+14.2	101,672	90,088
Business supplies	22,145	22,332	22,101	-0.8	+1.0	+1.4	21,757	20,543	21,431	19,885	+9.4	42,300	37,977
Construction materials and supplies	19,346	19,492	19,057	-0.7	+2.3	+0.8	18,576	17,148	17,288	16,842	+10.3	35,724	31,886
Defense products	6,881	6,853	9,663	+0.4	-29.1	+58.6	6,555	5,871	12,713	5,929	+10.6	12,426	13,637
Other materials, supplies and and intermediate products	102,940	103,619	102,454	-0.7	+1.1	+2.6	104,719	99,335	96,667	90,336	+15.9	204,054	174,953
Durable goods industries :													
Nondefense capital goods [3]	41,908	41,785	37,759	+0.3	+10.7	-7.4	40,621	35,951	43,864	35,117	+15.7	76,572	66,767
Excluding aircraft and parts	36,743	37,401	34,789	-1.8	+7.5	-1.5	35,638	32,662	39,673	30,999	+15.0	68,300	57,637
Defense capital goods [4]	6,390	6,174	9,221	+3.5	-33.0	+65.6	6,077	5,237	12,342	5,351	+13.6	11,314	12,344
Durables excluding capital goods	114,913	116,548	115,330	-1.4	+1.1	+2.1	118,093	109,980	106,320	106,220	+11.2	228,073	203,353
Miscellaneous series :													
Producers' durable equipment	104,972	104,550	101,096	+0.4	+3.4	-1.6	105,880	94,500	101,492	95,664	+10.7	200,380	181,946
Household durable goods	8,199	8,325	8,380	-1.5	-0.7	+1.6	8,006	7,987	7,461	7,698	+4.0	15,993	14,925
Information technology industries	19,958	19,912	19,872	+0.2	+0.2	+3.0	18,675	16,173	23,910	15,652	+19.3	34,848	29,190
Health care equipment and products	8,803	8,690	8,513	+1.3	+2.1	-1.8	8,544	8,290	8,863	7,863	+8.7	16,834	15,971

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mater handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment, refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tar and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Feb. 1994	Feb. 95/94
UNFILLED ORDERS											
All manufacturing industries	462,673	460,772	456,838	+0.4	+0.9	+0.8	465,138	461,083	451,768	448,764	+3.6
Market categories :											
Automotive equipment	2,141	2,168	2,164	-1.2	+0.2	+2.0	2,192	2,205	2,146	1,994	+9.9
Home goods and apparel	10,073	10,131	9,882	-0.6	+2.5	-2.9	9,910	9,691	8,328	10,109	-2.0
Consumer staples	1,639	1,617	1,578	+1.4	+2.5	-1.9	1,626	1,634	1,632	1,395	+16.6
Machinery and equipment	183,922	183,055	181,538	+0.5	+0.8	-0.6	184,675	183,382	180,833	183,226	+0.8
Business supplies	6,072	6,049	5,903	+0.4	+2.5	+0.6	6,048	5,955	5,810	5,420	+11.6
Construction materials and supplies	16,317	16,268	15,884	+0.3	+2.4	+1.3	16,242	15,970	15,440	14,214	+14.3
Defense products	105,609	105,933	106,404	-0.3	-0.4	+2.8	106,556	106,976	107,239	111,294	-4.3
Other materials, supplies and and intermediate products	136,900	135,551	133,485	+1.0	+1.5	+1.4	137,889	135,270	130,340	121,112	+13.9
urable goods industries :											
Nondefense capital goods [3]	203,084	202,179	200,256	+0.4	+1.0	-0.6	204,050	202,851	199,916	200,972	+1.5
Excluding aircraft and parts	94,793	93,863	91,347	+1.0	+2.8	+0.5	95,759	94,535	91,007	78,583	+21.9
Defense capital goods [4]	111,605	111,881	112,479	-0.2	-0.5	+2.6	112,478	112,800	113,105	117,089	-3.9
Durables excluding capital goods	121,748	120,673	118,570	+0.9	+1.8	+1.2	123,007	120,278	114,427	108,689	+13.2
iscellaneous series :											
Producers' durable equipment	219,030	217,532	215,516	+0.7	+0.9	-0.2	219,890	217,985	213,714	211,014	+4.2
Household durable goods	5,867	5,966	6,133	-1.7	-2.7	-0.9	5,773	5,856	5,197	5,619	+2.7
Information technology industries	38,896	38,296	37,321	+1.6	+2.6	+2.0	38,599	37,755	36,929	32,250	+19.7
Health care equipment and products	6,389	6,349	6,323	+0.6	+0.4	-2.9	6,388	6,347	6,323	7,476	-14.6
TOTAL INVENTORIES											
All manufacturing industries	399,223	396,104	391,810	+0.8	+1.1	+0.5	401,440	394,792	384,058	381,699	+5.2
arket categories :											
Automotive equipment	6,431	6,383	6,318	+0.8	+1.0	+1.2	6,702	6,504	6,255	6,314	+6.1
Home goods and apparel	32,932	32,574	32,151	+1.1	+1.3	-0.3	32,774	32,163	30,790	30,604	+7.1
Consumer staples	58,879	58,512	58,249	+0.6	+0.5	+0.2	58,750	58,567	57,919	57,362	+2.4
Machinery and equipment	97,591	96,478	95,115	+1.2	+1.4	+0.4	98,241	95,651	92,345	89,778	+9.4
Business supplies	22,319	22,123	21,737	+0.9	+1.8	+0.9	22,352	21,813	21,046	21,064	+6.1
Construction materials and supplies	25,361	25,348	25,403	+0.1	-0.2	+1.3	25,731	25,333	24,839	24,764	+3.9
Defense products	21,517	21,879	22,024	-1.7	-0.7	-0.7	21,387	21,394	21,164	24,951	-14.3
Other materials, supplies and and intermediate products	134,193	132,807	130,813	+1.0	+1.5	+0.8	135,503	133,367	129,700	126,862	+6.8
rable goods industries :											
Nondefense capital goods [3]	92,425	91,295	89,621	+1.2	+1.9	+0.4	92,722	90,350	86,812	84,092	+10.3
Excluding aircraft and parts	66,544	65,380	63,586	+1.8	+2.8	+0.7	66,641	64,582	61,295	57,876	+15.1
Defense capital goods [4]	22,243	22,610	22,745	-1.6	-0.6	-0.9	22,084	22,037	21,751	26,177	-15.6
Durables excluding capital goods	137,198	136,346	135,278	+0.6	+0.8	+0.8	138,636	136,527	133,221	129,697	+6.9
scellaneous series :											
Producers' durable equipment	156,712	155,248	153,269	+0.9	+1.3	+0.6	157,663	154,324	149,283	144,945	+8.8
Household durable goods	14,619	14,454	14,297	+1.1	+1.1	+0.7	14,686	14,346	13,687	13,708	+7.1
nformation technology industries	35,345	34,701	33,384	+1.9	+3.9	0.0	35,216	34,110	32,052	31,183	+12.9
Health care equipment and products	13,174	13,175	13,377	0.0	-1.5	-0.3	13,018	12,854	13,047	13,365	-2.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Feb. 1994	Feb. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	130,559	129,078	127,952	+1.1	+0.9	+0.7	130,925	130,218	128,662	120,655	+8.5
Durable goods industries	76,355	75,524	74,965	+1.1	+0.7	+0.8	76,492	76,175	75,113	68,925	+11.0
Stone, clay, and glass products	2,660	2,638	2,615	+0.8	+0.9	+0.1	2,679	2,671	2,643	2,551	+5.0
Primary metals	6,839	6,649	6,444	+2.9	+3.2	+1.8	6,727	6,732	6,707	5,743	+17.1
Fabricated metal products	8,452	8,516	8,442	-0.8	+0.9	+1.2	8,468	8,656	8,682	7,857	+7.8
Industrial machinery and equipment	17,300	16,766	16,785	+3.2	-0.1	-0.4	17,471	16,925	16,573	14,682	+19.0
Electronic and other electrical equipment	14,032	13,773	13,263	+1.9	+3.8	+2.9	14,029	13,779	13,106	11,040	+27.1
Transportation equipment	10,479	10,692	10,842	-2.0	-1.4	-0.9	10,471	10,667	10,749	11,026	-5.0
Instruments and related products	6,771	6,727	6,885	+0.7	-2.3	+1.3	6,748	6,738	6,792	6,657	+1.4
Lumber, furniture and miscellaneous durable goods	9,822	9,763	9,689	+0.6	+0.8	+0.5	9,899	10,007	9,861	9,369	+5.7
Nondurable goods industries	54,204	53,554	52,987	+1.2	+1.1	+0.7	54,433	54,043	53,549	51,730	+5.2
Food and kindred products	10,176	10,073	9,990	+1.0	+0.8	-1.9	10,268	10,377	10,240	9,994	+2.7
Tobacco products	4,734	4,692	4,701	+0.9	-0.2	-0.4	4,990	5,023	5,007	5,368	-7.0
Textile mill products	2,879	2,899	2,900	-0.7	0.0	-0.4	2,902	2,896	2,844	2,709	+7.1
Paper and allied products	7,282	7,091	6,939	+2.7	+2.2	+1.2	7,345	7,125	6,988	6,623	+10.9
Chemicals and allied products	11,424	11,395	11,473	+0.3	-0.7	+1.3	11,429	11,402	11,512	11,271	+1.4
Petroleum and coal products	2,973	3,000	2,939	-0.9	+2.1	+1.7	2,869	2,883	2,892	2,869	0.0
Rubber and plastics products	5,279	5,090	4,915	+3.7	+3.6	+2.8	5,287	5,124	5,025	4,518	+17.0
Apparel, printing and publishing and leather goods	9,457	9,314	9,130	+1.5	+2.0	+2.3	9,343	9,213	9,041	8,378	+11.5
WORK IN PROCESS											
All manufacturing industries	131,330	130,779	129,005	+0.4	+1.4	-0.1	131,332	129,318	124,975	128,564	+2.2
Durable goods industries	107,140	106,765	105,136	+0.4	+1.5	+0.2	107,260	105,354	101,705	105,359	+1.8
Stone, clay, and glass products	1,210	1,175	1,134	+3.0	+3.6	+6.4	1,261	1,158	1,078	1,093	+15.4
Primary metals	7,726	7,730	7,736	-0.1	-0.1	+2.9	7,792	7,679	7,603	7,348	+6.0
Fabricated metal products	7,754	7,715	7,791	+0.5	-1.0	+2.3	7,845	7,749	7,567	7,578	+3.5
Industrial machinery and equipment	19,406	19,526	18,335	-0.6	+6.5	-1.3	18,997	19,008	17,462	18,184	+4.5
Electronic and other electrical equipment	16,847	16,417	16,250	+2.6	+1.0	+1.3	16,895	16,194	15,619	14,343	+17.8
Transportation equipment	39,641	39,730	39,582	-0.2	+0.4	-0.5	39,889	39,479	38,566	42,530	-6.2
Instruments and related products	9,447	9,335	9,146	+1.2	+2.1	-0.5	9,442	8,995	8,784	9,329	+1.2
Lumber, furniture and miscellaneous durable goods	5,109	5,137	5,162	-0.5	-0.5	+0.4	5,139	5,092	5,026	4,954	+3.7
Nondurable goods industries	24,190	24,014	23,869	+0.7	+0.6	-1.4	24,072	23,964	23,270	23,205	+3.7
Food and kindred products	3,963	4,025	4,089	-1.5	-1.6	-0.4	3,939	4,239	4,351	3,989	-1.3
Tobacco products	184	177	168	+4.0	+5.4	-19.6	191	192	162	173	+10.4
Textile mill products	2,599	2,587	2,516	+0.5	+2.8	-1.4	2,630	2,592	2,405	2,632	-0.1
Paper and allied products	1,284	1,275	1,224	+0.7	+4.2	+0.5	1,283	1,281	1,207	1,160	+10.6
Chemicals and allied products	5,333	5,365	5,419	-0.6	-1.0	-0.4	5,346	5,347	5,275	5,649	-5.4
Petroleum and coal products	2,515	2,441	2,377	+3.0	+2.7	+1.0	2,439	2,314	2,202	2,186	+11.6
Rubber and plastics products	2,014	1,954	1,922	+3.1	+1.7	+1.0	2,055	2,002	1,923	1,800	+14.2
Apparel, printing and publishing and leather goods	6,298	6,190	6,154	+1.7	+0.6	-4.1	6,189	5,997	5,745	5,616	+10.2
FINISHED GOODS											
All manufacturing industries	137,334	136,247	134,853	+0.8	+1.0	+0.8	139,183	135,256	130,421	132,480	+5.1
Durable goods industries	68,371	67,962	67,543	+0.6	+0.6	+0.8	69,690	67,385	64,966	65,682	+6.1
Stone, clay, and glass products	3,913	3,907	3,904	+0.2	+0.1	+0.4	4,079	3,936	3,820	4,062	+0.4
Primary metals	6,729	6,716	6,592	+0.2	+1.9	-0.3	6,895	6,726	6,439	6,447	+6.9
Fabricated metal products	8,275	8,098	7,916	+2.2	+2.3	+0.3	8,397	7,948	7,465	7,869	+6.7
Industrial machinery and equipment	14,654	14,547	14,534	+0.7	+0.1	+1.9	15,267	14,743	14,234	14,437	+5.7
Electronic and other electrical equipment	11,355	11,231	10,880	+1.1	+3.2	+1.1	11,284	10,876	10,282	9,245	+22.1
Transportation equipment	8,100	8,139	8,233	-0.5	-1.1	+1.8	8,288	8,088	7,882	8,239	+0.6
Instruments and related products	5,690	5,749	5,876	-1.0	-2.2	-1.6	5,597	5,546	5,691	5,899	-5.1
Lumber, furniture and miscellaneous durable goods	9,655	9,575	9,608	+0.8	-0.3	+0.7	9,883	9,522	9,153	9,484	+4.2
Nondurable goods industries	68,963	68,285	67,310	+1.0	+1.4	+0.7	69,493	67,871	65,455	66,798	+4.0
Food and kindred products	17,105	17,069	16,781	+0.2	+1.7	+0.9	17,072	17,072	16,580	16,129	+5.8
Tobacco products	829	823	911	+0.7	-9.7	+12.5	876	798	797	708	+23.7
Textile mill products	4,398	4,358	4,401	+0.9	-1.0	+1.4	4,512	4,323	4,096	4,440	+1.6
Paper and allied products	5,517	5,506	5,449	+0.2	+1.0	+0.2	5,664	5,510	5,237	5,843	-3.1
Chemicals and allied products	17,899	17,640	17,403	+1.5	+1.4	+1.0	18,390	17,774	17,375	17,781	+3.4
Petroleum and coal products	5,537	5,466	5,214	+1.3	+4.8	+0.2	5,370	5,320	4,964	4,803	+11.8
Rubber and plastics products	6,433	6,280	6,206	+2.4	+1.2	+1.0	6,688	6,366	6,103	6,281	+6.5
Apparel, printing and publishing and leather goods	11,245	11,143	10,945	+0.9	+1.8	-0.6	10,921	10,708	10,303	10,813	+1.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Nov. 1994	Feb. 1995[p]	Jan. 1995[r]	Dec. 1994	Nov. 1994
All manufacturing industries	1.33	1.33	1.32	1.34	2.85	2.85	2.87	2.88
Durable goods industries	1.56	1.55	1.55	1.57	3.41	3.41	3.43	3.45
Stone, clay, and glass products	1.07	1.07	1.06	1.09	1.20	1.23	1.18	1.19
Primary metals	1.41	1.38	1.37	1.45	1.96	1.93	1.93	2.01
Fabricated metal products	1.53	1.50	1.59	1.53	1.44	1.40	1.48	1.43
Industrial machinery and equipment	1.70	1.74	1.72	1.75	2.48	2.53	2.49	2.55
Electronic and other electrical equipment	1.73	1.68	1.64	1.62	2.00	1.98	1.92	1.89
Transportation equipment	1.45	1.46	1.47	1.48	10.79	10.75	11.02	10.72
Instruments and related products	1.88	1.90	1.92	1.97	4.10	4.16	4.17	4.29
Nondurable goods industries	1.07	1.07	1.05	1.07	0.77	0.76	0.76	0.76
Food and kindred products	0.86	0.85	0.82	0.85	(X)	(X)	(X)	(X)
Tobacco products	1.83	1.87	2.18	2.17	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.54	1.52	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.05	1.06	1.09	1.10	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.13	1.13	1.12	1.14	(X)	(X)	(X)	(X)
Petroleum and coal products	0.82	0.86	0.84	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.35	1.32	1.29	1.29	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1995	Feb.[2] 1990-1994	Feb. 1994-Jan. 1995	Feb.[1] 1995	Feb.[2] 1990-1994	Feb. 1994-Jan. 1995	Feb.[1] 1995	Feb.[2] 1990-1994	Feb. 1994-Jan. 1995	Feb.[1] 1995	Feb.[2] 1990-1994	Feb. 1994-Jan. 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.1	0.2	0.0	0.3	0.2	0.0	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.2	0.6	(X)	0.8	1.0	(X)	0.7	0.5	(X)	0.2	0.1
Primary metals	-0.1	0.3	0.4	-0.2	0.8	1.0	0.0	0.4	0.4	(X)	0.0	0.2
Fabricated metal products	(X)	0.4	0.5	(X)	0.8	0.6	(X)	0.4	0.3	(X)	0.2	0.2
Industrial machinery and equipment	0.1	0.1	0.5	0.2	0.3	0.8	0.0	0.1	0.2	(X)	0.0	0.1
Electronic and other electrical equipment	-0.2	0.1	0.3	0.2	0.4	0.6	0.2	0.2	0.3	(X)	0.1	0.1
Transportation equipment	-0.1	0.2	0.6	0.0	0.4	0.8	0.0	0.0	0.1	(X)	0.0	0.2
Instruments and related products	(X)	0.1	0.5	(X)	1.8	1.4	(X)	0.4	0.3	(X)	0.3	0.2
Nondurable goods industries	(X)	0.2	0.1	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.1	0.1	0.4	0.2	0.3	0.7	0.0	0.1	0.1	(X)	0.0	0.1
Defense	0.7	0.3	0.5	0.1	2.2	2.9	0.0	0.1	0.1	(X)	0.2	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

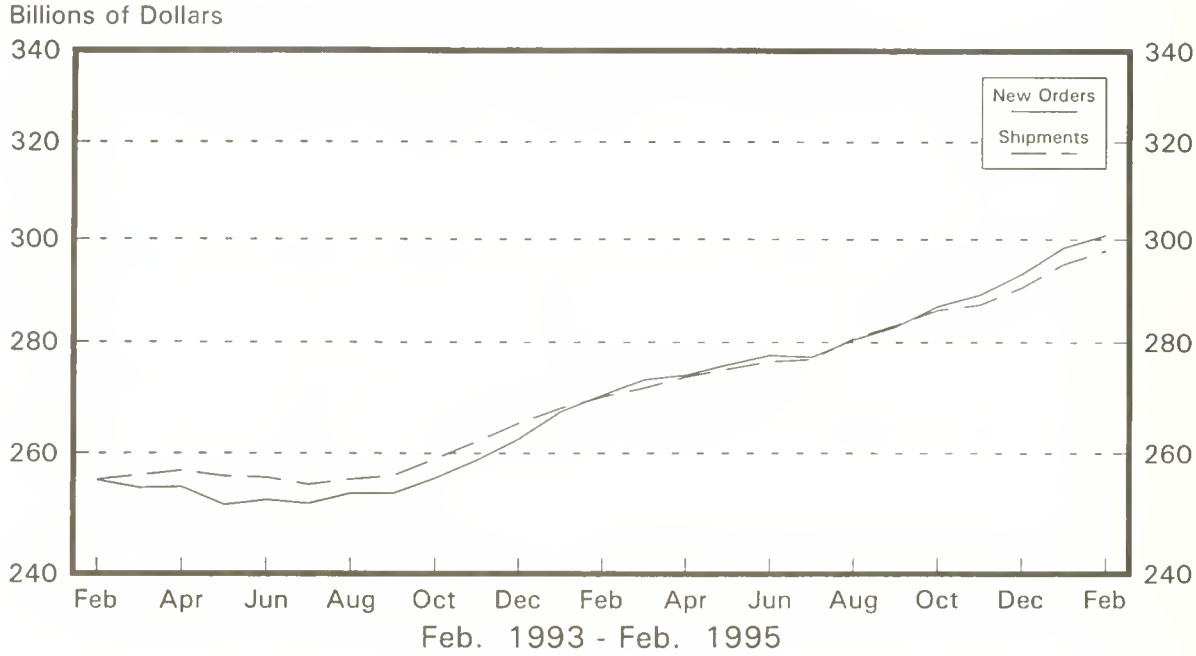
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

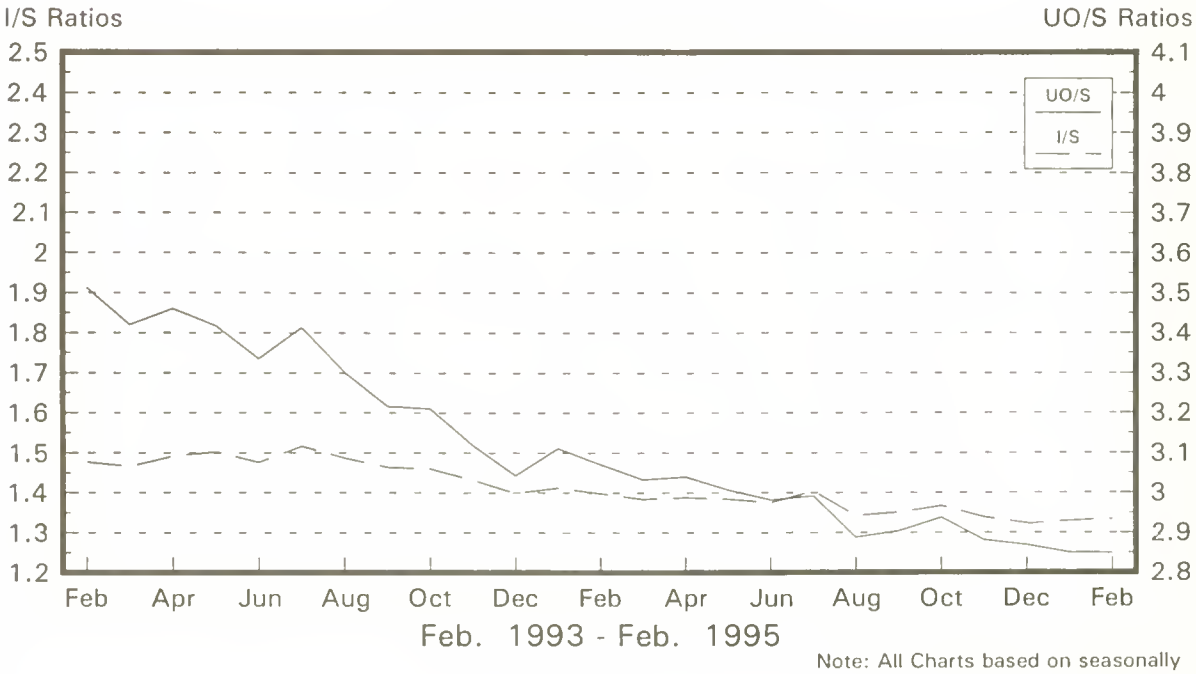
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

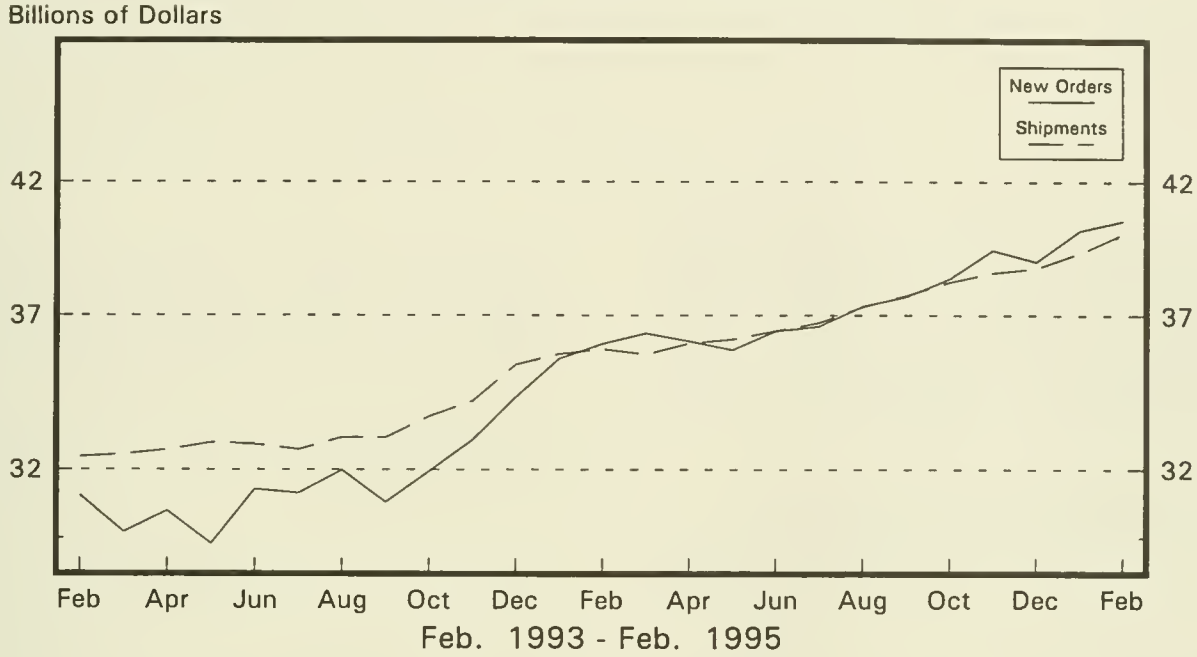
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

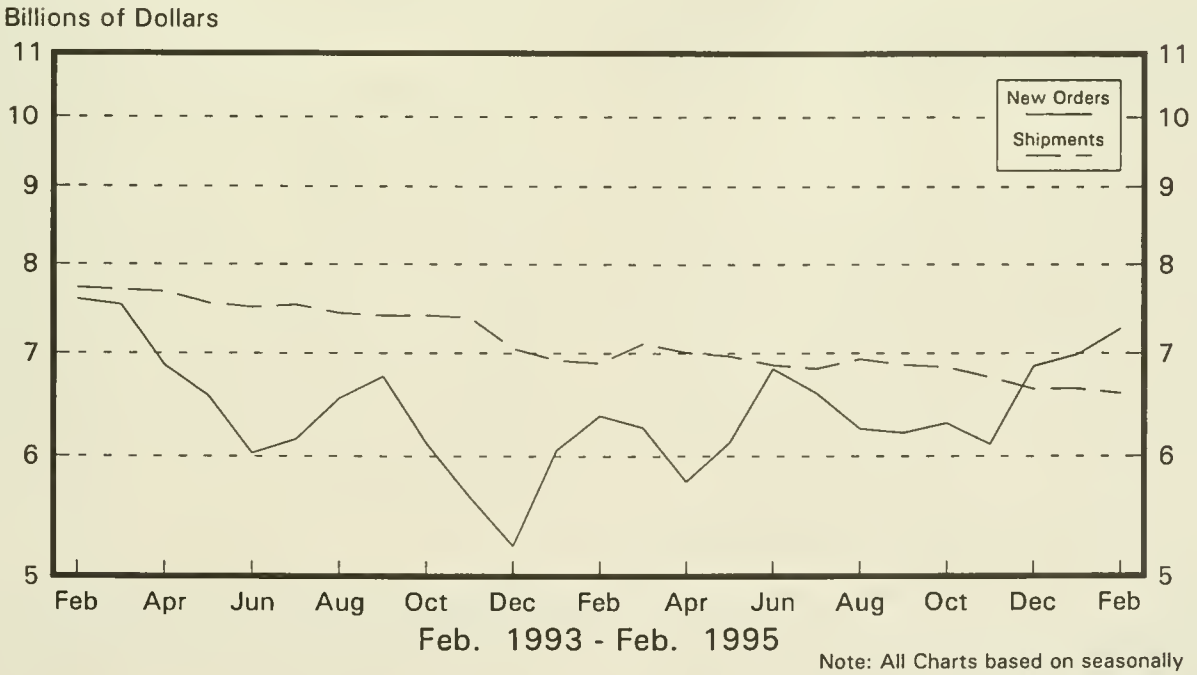
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in March decreased $0.2 billion or 0.1 percent to $300.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.3 percent February decrease and is the second decline in the last five months. First quarter new orders are 2.7 percent above fourth quarter 1994 and 10.3 percent above first quarter 1994.

Shipments increased $0.3 billion or 0.1 percent to $298.9 billion, following a 0.3 percent February increase. This is the fifth consecutive monthly increase and the fifteenth in the last twenty months. First quarter shipments are 2.8 percent above fourth quarter 1994 and 9.9 percent above first quarter 1994.

Unfilled orders, up for the seventh consecutive month, increased $1.7 billion or 0.4 percent to $464.7 billion. This follows a 0.5 percent February increase. The unfilled orders-to-shipments ratio was 2.85, down from 2.86 in February.

Inventories increased $2.6 billion or 0.7 percent to $402.3 billion, following a 0.9 percent February increase. This is the sixth consecutive monthly increase and the thirteenth in the last fifteen months. The inventories-to-shipments ratio was 1.35, up from 1.34 in February.

New Orders

New orders for manufactured durable goods in March increased $0.8 billion or 0.5 percent to $164.1 billion, revised from the previously published 0.6 percent increase. This follows a 0.7 percent February decrease and is the fourth increase in the last five months.

Electronic and other electrical equipment had the largest increase, $1.6 billion or 6.6 percent to $26.4 billion, following a 4.5 percent February decrease. The March increase, largely due to communication equipment and electronic components, is the seventh increase in the last eight months. Industrial machinery and equipment increased $0.5 billion or 1.7 percent to $31.8 billion, following increases in February and January of 1.5 percent and 9.1 percent respectively. Primary metals increased 0.2 percent to $15.3 billion. This follows two consecutive monthly declines and is the sixth increase in the last eight months. Instruments and related products had the largest decline, $0.9 billion or 7.7 percent to $10.9 billion, the first decline since November 1994. Fabricated metal products was down $0.4 billion or 2.4 percent to $15.6 billion, following a 2.9 percent February decline Transportation equipment decreased $0.2 billion or 0.5 percent to $40.5 billion, due to aircraft and aircraft parts. This follows a 2.4 percent February increase and is the second decline in the last three months.

New orders for nondurable goods were $136.4 billion, down $1.0 billion or 0.7 percent from February. The largest declines were in petroleum and coal products, food and kindred products, and tobacco products.

Shipments

Shipments of durable goods in March increased $0.8 billion or 0.5 percent to $162.0 billion, unrevised from the previously published 0.5 percent increase. This follows a 0.1 percent February increase, is the fifth consecutive monthly increase and the fifteenth in the last twenty months. Electronic and other electrical equipment increased $0.7 billion or 2.8 percent to $25.2 billion. Except for declines of 0.5 percent in February and 0.2 percent in January, shipments have increased every month since October 1993. Industrial machinery and equipment increased $0.2 billion or 0.7 percent to $30.3 billion, due to computer and office equipment. This is the fourth consecutive increase and the tenth in the last eleven months. Primary metals, up thirteen of the last fourteen months, increased $0.1 billion or 0.7 percent to $15.3 billion. Transportation equipment, up four of the last five months, increased 0.1 percent to $40.2 billion. Fabricated metal products declined $0.2 billion or 1.1 percent to $15.7 billion, following a 2.2 percent February decrease.

Shipments of nondurable goods decreased $0.5 billion or 0.4 percent to $136.8 billion, following a 0.5 percent February increase. Declines in petroleum and coal products, food and kindred products, and tobacco products more than offset increases in printing and publishing, and paper and allied products.

Unfilled Orders

Unfilled orders for durable goods in March increased $2.1 billion or 0.5 percent to $439.0 billion, unrevised from the previously published 0.5 percent increase. This is the seventh consecutive monthly increase. Industrial machinery and equipment had the largest increase, $1.5 billion or 2.1 percent to $71.7 billion. This follows a 1.7 percent February increase and is the twentieth increase in the last twenty-one months. Electronic and other electrical equipment increased $1.3 billion or 2.6 percent to $50.2 billion, due to communication equipment and electronic components. This is the seventh consecutive monthly increase. Transportation equipment increased $0.2 billion or 0.1 percent to $203.3 billion, the third increase in the last four months. This follows a 0.2 percent February increase. Instruments and related products declined $0.7 billion or 1.4 percent to $47.2 billion, following a 0.4 percent February increase. Stone, clay and glass products declined $0.1 billion or 1.2 percent to $8.0 billion, following a 2.5 percent February decline.

Inventories

Inventories for durable goods in March increased $1.7 billion or 0.7 percent to $253.8 billion. Except for the 0.1 percent decrease last September, inventories have increased every month since March 1994. Industrial machinery and equipment increased $0.5 billion or 1.0 percent to $51.9 billion. This follows a 1.0 percent February increase and is the twenty-second increase in the last twenty-four months. Transportation equipment, up the first month since last July, increased $0.4 billion or 0.7 percent to $58.7 billion. Fabricated metal products increased $0.4 billion or 1.6 percent to $25.1 billion, the sixth consecutive monthly increase. Electronic and other electrical equipment, up for the fifteenth consecutive month, increased $0.3 billion or 0.8 percent to $42.6 billion. Primary metals increased $0.1 billion or 0.4 percent to $21.4 billion, the seventh consecutive monthly increase.

Inventories for nondurable goods increased $0.9 billion or 0.6 percent to $148.5 billion, the sixth consecutive monthly increase. All major industry groups increased except tobacco products. Printing and publishing, paper and allied products, and apparel and related products had the largest increases.

By stage of fabrication, finished goods increased 2.0 percent in durables and was unchanged for nondurables. Work in process increased 0.1 percent in durables and 0.3 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 1.5 percent in nondurables.

The advance report on durable goods for April is scheduled for May 24, 1995 at 8:30 a.m. and the full report on June 1, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1995[P]	Feb. 1995[r]	Jan. 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[P]	Feb. 1995[r]	Jan. 1995	Mar. 1994	Mar. 95/94	1995[P]	1994
All manufacturing industries	298,854	298,556	297,790	+0.1	+0.3	+0.6	312,919	295,576	268,357	288,084	+8.6	876,852	797,698
Manufacturing Industries													
with unfilled orders	163,212	162,069	161,681	+0.7	+0.2	+1.5	173,142	159,547	144,004	156,417	+10.7	476,693	426,723
without defense capital goods	292,215	291,914	291,018	+0.1	+0.3	+0.4	305,943	289,218	262,815	280,617	+9.0	857,976	777,838
Durable goods industries	162,045	161,206	161,079	+0.5	+0.1	+1.1	173,771	160,976	142,687	158,209	+9.8	477,434	431,550
With unfilled orders	128,661	127,849	127,636	+0.6	+0.2	+1.6	138,281	125,667	112,410	125,405	+10.3	376,358	338,083
Stone, clay, and glass products	7,114	7,212	7,210	-1.4	0.0	+0.1	6,886	6,656	6,068	6,578	+4.7	19,610	17,643
Primary metals	15,263	15,152	15,255	+0.7	-0.7	+0.9	16,009	15,456	14,503	12,778	+25.3	45,968	36,344
Blast furnaces, steel mills	6,548	6,467	6,319	+1.3	+2.3	-5.1	6,895	6,571	6,113	5,785	+19.2	19,579	16,702
Iron and steel foundries	1,337	1,335	1,374	+0.1	-2.8	-2.2	1,419	1,384	1,288	1,250	+13.5	4,091	3,498
Nonferrous and other primary metals	7,378	7,350	7,562	+0.4	-2.8	+7.3	7,695	7,501	7,102	5,743	+34.0	22,298	16,144
Fabricated metal products	15,688	15,858	16,221	-1.1	-2.2	+6.7	16,490	15,882	14,715	15,955	+3.4	47,087	44,179
Industrial machinery and equipment	30,340	30,131	29,149	+0.7	+3.4	+1.2	35,167	29,401	24,628	30,651	+14.7	89,196	77,645
Engines and turbines	1,793	2,023	1,964	-11.4	+3.0	+0.1	1,996	1,887	1,563	2,025	-1.4	5,446	4,929
Farm and garden machinery	1,902	1,904	1,836	-0.1	+3.7	+5.0	2,524	2,256	1,656	2,408	+4.8	6,436	5,782
Construction, mining and material handling equipment	3,167	3,170	3,128	-0.1	+1.3	+1.2	3,484	3,349	2,816	2,865	+21.6	9,649	7,951
Metalworking machinery	3,264	3,332	3,298	-2.0	+1.0	+10.6	3,512	3,223	2,736	2,979	+17.9	9,471	7,782
Computer and office equipment	8,427	7,990	7,592	+5.5	+5.2	-1.6	10,643	6,995	5,694	8,986	+18.4	23,332	20,453
Electronic and other electrical equipment	25,186	24,491	24,602	+2.8	-0.5	-0.2	26,557	23,889	21,604	22,657	+17.2	72,050	62,197
Electrical transmission and distribution equipment and industrial apparatus	2,912	2,821	2,777	+3.2	+1.6	+3.7	3,202	2,922	2,444	2,798	+14.4	8,568	7,690
Household appliances	1,874	1,883	1,945	-0.5	-3.2	+0.2	2,009	1,800	1,632	1,991	+0.9	5,441	5,165
Electric lighting and wiring equipment	1,954	1,948	1,944	+0.3	+0.2	+3.1	2,071	2,013	1,722	1,831	+13.1	5,806	5,141
Household audio and video equipment	1,122	1,130	1,111	-0.7	+1.7	+0.5	1,057	1,035	914	904	+16.9	3,006	2,61
Communications equipment	5,861	5,700	5,785	+2.8	-1.5	+1.0	6,328	5,255	4,730	5,064	+25.0	16,313	12,95
Electronic components	9,352	8,886	8,852	+5.2	+0.4	-1.2	9,792	8,886	8,241	7,969	+22.9	26,919	22,31
Transportation equipment	40,216	40,171	40,217	+0.1	-0.1	+0.5	43,344	42,205	35,844	41,840	+3.6	121,393	116,39
Motor vehicles and parts	28,796	28,686	28,779	+0.4	-0.3	-1.6	30,976	31,065	26,489	28,774	+7.7	88,530	83,33
Aircraft, missiles, space vehicles, and parts	8,452	8,688	8,505	-2.7	+2.2	+5.4	9,177	8,357	6,753	10,315	-11.0	24,287	25,52
Shipbuilding and tanks	848	820	953	+3.4	-14.0	+25.9	875	804	780	942	-7.1	2,459	2,71
Instruments and related products	11,567	11,624	11,465	-0.5	+1.4	+0.5	12,303	11,192	10,140	11,436	+7.6	33,635	31,37
Search and navigation equipment	2,653	2,614	2,643	+1.5	-1.1	+7.8	2,839	2,524	2,206	2,509	+13.2	7,569	7,05
Measuring and controlling devices	3,650	3,575	3,427	+2.1	+4.3	-3.0	4,040	3,487	3,167	3,495	+15.6	10,694	9,35
Medical instruments and supplies	3,108	3,120	3,103	-0.4	+0.5	0.0	3,291	3,055	2,878	3,145	+4.6	9,224	8,71
Photographic goods	1,765	1,925	1,888	-8.3	+2.0	-0.8	1,728	1,751	1,535	1,911	-9.6	5,014	5,22
All other durable goods	16,671	16,567	16,960	+0.6	-2.3	+0.3	17,015	16,295	15,185	16,314	+4.3	48,495	45,77
Nondurable goods industries	136,809	137,350	136,711	-0.4	+0.5	0.0	139,148	134,600	125,670	129,875	+7.1	399,418	366,14
With unfilled orders	34,551	34,220	34,045	+1.0	+0.5	+1.2	34,861	33,880	31,594	31,012	+12.4	100,335	88,64
Food and kindred products	35,900	36,167	36,522	-0.7	-1.0	-2.6	36,552	35,374	33,293	36,861	-0.8	105,219	103,70
Meat products	8,038	8,150	8,103	-1.4	+0.6	-3.5	7,990	7,957	7,564	8,009	-0.2	23,511	23,47
Dairy products	4,699	4,792	4,872	-1.9	-1.6	-1.3	4,760	4,679	4,499	4,868	-2.2	13,938	13,60
Beverages	5,335	5,279	5,305	+1.1	-0.5	-1.0	5,298	4,751	4,474	5,183	+2.2	14,523	14,08
All other foods, except fats and oils	15,728	15,970	16,288	-1.5	-2.0	-3.4	16,404	16,011	14,802	16,901	-2.9	47,217	46,91
Tobacco products	2,784	3,044	3,039	-8.5	+0.2	+14.4	2,937	2,761	2,475	2,671	+10.0	8,173	7,93
Textile mill products	6,475	6,380	6,390	+1.5	-0.2	-1.1	6,746	6,194	5,525	6,373	+5.9	18,465	17,27
Broadwoven fabrics and other textiles	4,049	3,995	3,998	+1.4	-0.1	-1.7	4,288	3,951	3,526	4,025	+6.5	11,765	10,87
Paper and allied products	13,515	13,372	13,046	+1.1	+2.5	+4.6	13,719	13,490	12,623	11,096	+23.6	39,832	32,21
Pulp, paper, and paperboard mill products	5,892	5,697	5,499	+3.4	+3.6	+8.5	5,969	5,788	5,341	4,361	+36.9	17,098	12,75
Paperboard containers and boxes	3,643	3,609	3,508	+0.9	+2.9	+4.1	3,698	3,580	3,394	2,822	+31.0	10,672	8,09
Miscellaneous converted paper products	3,980	4,066	4,039	-2.1	+0.7	0.0	4,052	4,122	3,888	3,913	+3.6	12,062	11,36
Chemicals and allied products	30,628	30,695	30,502	-0.2	+0.6	-0.4	32,350	30,456	28,931	29,346	+10.2	91,737	81,09
Industrial chemicals	16,932	16,832	16,844	+0.6	-0.1	+0.2	17,626	17,046	16,035	14,782	+19.2	50,707	41,71
Drugs, soaps, and toiletries	10,267	10,334	10,236	-0.6	+1.0	-0.7	10,657	9,978	9,922	10,593	+0.6	30,557	29,77
Petroleum and coal products	12,972	13,400	12,738	-3.2	+5.2	+1.4	11,866	12,100	11,327	10,618	+11.8	35,293	30,92
Rubber and plastics products	10,134	10,100	10,115	+0.3	-0.1	-0.1	10,685	10,137	9,476	9,773	+9.3	30,298	27,09
All other nondurable goods	24,401	24,192	24,359	+0.9	-0.7	0.0	24,293	24,088	22,020	23,137	+5.0	70,401	65,91

[P] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Mar. 1994	Mar. 95/94	1995[p]	1994
All manufacturing industries	300,571	300,804	301,724	-0.1	-0.3	+0.7	315,961	299,933	277,672	289,574	+9.1	893,566	809,594
Manufacturing industries													
with unfilled orders	164,929	164,317	165,615	+0.4	-0.8	+1.8	176,184	163,904	153,319	157,907	+11.6	493,407	438,619
without defense capital goods	293,328	293,939	295,550	-0.2	-0.5	+1.8	307,096	293,870	272,435	283,515	+8.3	873,401	791,191
Durable goods industries	164,134	163,338	164,507	+0.5	-0.7	+1.4	176,462	164,850	151,168	158,314	+11.5	492,480	440,778
With unfilled orders	130,750	129,981	131,064	+0.6	-0.8	+1.9	140,972	129,541	120,891	125,510	+12.3	391,404	347,311
Stone, clay, and glass products	7,016	7,006	7,514	+0.1	-6.8	+0.3	6,724	6,842	6,468	6,495	+3.5	20,034	18,022
Primary metals	15,264	15,232	15,569	+0.2	-2.2	-1.5	16,858	16,223	16,196	14,607	+15.4	49,277	40,191
Blast furnaces, steel mills	6,757	6,472	6,496	+4.4	-0.4	-2.6	7,472	7,041	7,096	6,257	+19.4	21,609	18,311
Iron and steel foundries	1,340	1,511	1,366	-11.3	+10.6	-16.6	1,402	1,539	1,414	1,434	-2.2	4,355	3,859
Nonferrous and other primary metals	7,167	7,249	7,707	-1.1	-5.9	+2.7	7,984	7,643	7,686	6,916	+15.4	23,313	18,021
Fabricated metal products	15,611	15,995	16,465	-2.4	-2.9	+7.8	16,429	16,157	15,157	16,542	-0.7	47,743	44,713
Industrial machinery and equipment	31,814	31,274	30,818	+1.7	+1.5	+9.1	35,636	30,817	27,248	31,311	+13.8	93,701	81,008
Engines and turbines	1,821	1,854	1,987	-1.8	-6.7	+63.9	1,758	1,524	1,450	1,731	+1.6	4,732	4,561
Construction, mining and material handling equipment	3,351	3,225	3,466	+3.9	-7.0	+13.1	3,742	3,426	3,404	3,061	+22.2	10,572	8,523
Metalworking machinery	3,693	3,588	3,717	+2.9	-3.5	+25.2	3,941	3,479	3,155	3,439	+14.6	10,575	8,971
Computer and office equipment	8,633	8,406	7,824	+2.7	+7.4	+1.4	10,616	7,638	5,781	9,300	+14.2	24,035	20,784
Electronic and other electrical equipment	26,438	24,799	25,960	+6.6	-4.5	+0.7	27,028	24,703	24,387	21,796	+24.0	76,118	63,842
Electrical transmission and distribution equipment and industrial apparatus	2,850	2,918	2,982	-2.3	-2.1	+16.0	3,116	3,042	2,696	2,771	+12.5	8,854	8,013
Electric lighting and wiring equipment	1,905	2,035	2,086	-6.4	-2.4	+9.3	2,022	2,100	1,864	1,838	+10.0	5,986	5,206
Communications equipment	6,759	5,572	6,217	+21.3	-10.4	-4.5	7,233	5,100	5,157	5,103	+41.7	17,490	13,084
Electronic components	9,831	9,447	9,687	+4.1	-2.5	+5.5	9,703	9,975	10,045	7,509	+29.2	29,723	23,383
Transportation equipment	40,464	40,650	39,692	-0.5	+2.4	-5.0	44,885	42,604	35,592	40,242	+11.5	123,081	116,147
Aircraft, missiles, space vehicles, and parts	9,202	9,449	7,315	-2.6	+29.2	+17.0	11,183	8,889	5,627	7,846	+42.5	25,699	24,719
Shipbuilding and tanks	376	460	1,650	-18.3	-72.1	-56.6	420	486	1,490	609	-31.0	2,396	1,663
Instruments and related products	10,897	11,812	11,466	-7.7	+3.0	+2.5	11,695	11,123	10,394	10,675	+9.6	33,212	30,444
Search and navigation equipment	2,612	2,486	2,242	+5.1	+10.9	-3.5	2,820	2,134	2,039	1,545	+82.5	6,993	5,785
Measuring and controlling devices	3,403	3,860	3,778	-11.8	+2.2	+4.0	3,793	3,772	3,518	3,736	+1.5	11,083	9,752
Medical instruments and supplies	2,751	3,092	3,128	-11.0	-1.2	+7.4	2,934	3,027	2,903	2,966	-1.1	8,864	8,526
All other durable goods	16,630	16,570	17,023	+0.4	-2.7	+1.6	17,207	16,381	15,726	16,646	+3.4	49,314	46,411
Nondurable goods industries	136,437	137,466	137,217	-0.7	+0.2	0.0	139,499	135,083	126,504	131,260	+6.3	401,086	368,816
With unfilled orders	34,179	34,336	34,551	-0.5	-0.6	+1.4	35,212	34,363	32,428	32,397	+8.7	102,003	91,308

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar 1995[p]	Feb 1995[r]	Jan 1995	Feb - Mar	Jan - Feb	Dec - Jan	Mar 1995[p]	Feb 1995[r]	Jan 1995	Mar 1994	Mar 95/94
All manufacturing industries	464,737	463,020	460,772	+0.4	+0.5	+0.9	468,482	465,440	461,083	450,254	+4.0
Manufacturing industries without defense capital goods	352,029	350,916	348,891	+0.3	+0.6	+1.3	354,088	352,935	348,283	334,573	+5.8
Durable goods industries	438,954	436,865	434,733	+0.5	+0.5	+0.8	442,494	439,803	435,929	426,855	+3.7
Stone, clay, and glass products	8,027	8,125	8,331	-1.2	-2.5	+3.8	7,938	8,100	7,914	7,198	+10.3
Primary metals	29,576	29,575	29,495	0.0	+0.3	+1.1	31,168	30,319	29,552	25,395	+22.7
Blast furnaces, steel mills	11,818	11,609	11,604	+1.8	0.0	+1.5	12,681	12,104	11,634	11,321	+12.0
Iron and steel foundries	3,927	3,924	3,748	+0.1	+4.7	-0.2	3,951	3,968	3,813	3,404	+16.1
Nonferrous and other primary metals	13,831	14,042	14,143	-1.5	-0.7	+1.0	14,536	14,247	14,105	10,670	+36.2
Fabricated metal products	20,967	21,044	20,907	-0.4	+0.7	+1.2	21,148	21,209	20,934	20,580	+2.8
Industrial machinery and equipment	71,699	70,225	69,082	+2.1	+1.7	+2.5	71,701	71,232	69,816	56,341	+27.3
Engines and turbines	10,102	10,074	10,243	+0.3	-1.6	+0.2	9,910	10,148	10,511	9,771	+1.4
Construction, mining and material handling equipment	7,669	7,485	7,430	+2.5	+0.7	+4.8	7,922	7,664	7,587	6,363	+24.5
Metalworking machinery	10,681	10,252	9,996	+4.2	+2.6	+4.4	10,681	10,252	9,996	8,524	+25.3
Computer and office equipment	12,438	12,232	11,816	+1.7	+3.5	+2.0	11,903	11,930	11,287	7,582	+57.0
Electronic and other electrical equipment	50,190	48,938	48,630	+2.6	+0.6	+2.9	50,200	49,729	48,915	46,083	+8.9
Electrical transmission and distribution equipment and industrial apparatus	6,028	6,090	5,993	-1.0	+1.6	+3.5	6,032	6,118	5,998	6,093	-1.0
Electric lighting and wiring equipment	3,823	3,872	3,785	-1.3	+2.3	+3.9	3,823	3,872	3,785	3,302	+15.8
Communications equipment	16,200	15,302	15,430	+5.9	-0.8	+2.9	16,181	15,276	15,431	15,158	+6.7
Electronic components	18,661	18,182	17,621	+2.6	+3.2	+5.0	18,736	18,825	17,736	16,173	+15.8
Transportation equipment	203,292	203,044	202,565	+0.1	+0.2	-0.3	204,862	203,321	202,922	213,227	-3.9
Aircraft, missiles, space vehicles, and parts	171,000	170,250	169,489	+0.4	+0.4	-0.7	172,304	170,298	169,766	183,220	-6.0
Shipbuilding and tanks	18,876	19,348	19,708	-2.4	-1.8	+3.7	18,876	19,331	19,649	18,248	+3.4
Instruments and related products	47,157	47,827	47,639	-1.4	+0.4	0.0	47,595	48,203	48,272	50,463	-5.7
Search and navigation equipment	30,730	30,771	30,899	-0.1	-0.4	-1.3	31,131	31,150	31,540	33,017	-5.7
Measuring and controlling devices	9,638	9,885	9,600	-2.5	+3.0	+3.8	9,638	9,885	9,600	9,227	+4.5
Medical instruments and supplies	5,932	6,289	6,317	-5.7	-0.4	+0.4	5,932	6,289	6,317	7,269	-18.4
All other durable goods	8,046	8,087	8,084	-0.5	0.0	+0.8	7,882	7,690	7,604	7,568	+4.1
Nondurable goods industries	25,783	26,155	26,039	-1.4	+0.4	+2.0	25,988	25,637	25,154	23,399	+11.1

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Mar. 1994	Mar. 95/94
All manufacturing industries	402,330	399,726	396,104	+0.7	+0.9	+1.1	402,406	401,729	394,792	379,434	+6.1
Manufacturing industries											
with unfilled orders	268,064	265,715	263,455	+0.9	+0.9	+1.2	267,503	266,133	261,106	250,539	+6.8
without defense capital goods	380,114	377,442	373,494	+0.7	+1.1	+1.2	380,278	379,632	372,755	353,981	+7.4
Durable goods industries	253,807	252,124	250,251	+0.7	+0.7	+1.1	253,719	253,603	248,914	238,002	+6.6
With unfilled orders	232,325	230,615	228,937	+0.7	+0.7	+1.1	231,499	231,088	226,981	217,191	+6.6
Stone, clay, and glass products	7,838	7,768	7,720	+0.9	+0.6	+0.9	8,064	7,985	7,765	7,702	+4.7
Primary metals	21,414	21,321	21,095	+0.4	+1.1	+1.6	21,364	21,423	21,137	19,401	+10.1
Blast furnaces, steel mills	10,103	10,078	9,912	+0.2	+1.7	+1.4	9,931	10,184	10,079	9,297	+6.8
Iron and steel foundries	1,612	1,598	1,600	+0.9	-0.1	-0.2	1,656	1,614	1,602	1,498	+10.5
Nonferrous and other primary metals	9,699	9,645	9,583	+0.6	+0.6	+2.1	9,777	9,625	9,456	8,606	+13.6
Fabricated metal products	25,120	24,718	24,329	+1.6	+1.6	+0.7	25,446	24,892	24,353	23,079	+10.3
Industrial machinery and equipment	51,894	51,371	50,839	+1.0	+1.0	+2.4	51,485	51,753	50,676	47,000	+9.5
Engines and turbines	3,948	3,810	3,811	+3.6	0.0	-0.7	3,837	3,688	3,614	3,430	+11.9
Farm and garden machinery	2,869	2,854	2,838	+0.5	+0.6	+0.4	2,992	3,122	3,101	2,516	+18.9
Construction, mining and material handling equipment	6,383	6,307	6,225	+1.2	+1.3	+0.8	6,492	6,387	6,234	5,790	+12.1
Metalworking machinery	5,914	5,858	5,817	+1.0	+0.7	+1.9	5,849	5,834	5,735	5,200	+12.5
Computer and office equipment	11,573	11,666	11,690	-0.8	-0.2	+6.7	11,041	11,549	11,465	11,150	-1.0
Electronic and other electrical equipment	42,578	42,232	41,421	+0.8	+2.0	+2.5	42,371	42,238	40,849	34,871	+21.5
Electrical transmission and distribution equipment and industrial apparatus	4,832	4,805	4,790	+0.6	+0.3	+1.7	4,815	4,769	4,715	4,259	+13.1
Household appliances	2,911	2,894	2,843	+0.6	+1.8	+2.5	3,054	3,017	2,830	2,690	+13.5
Electric lighting and wiring equipment	3,174	3,166	3,149	+0.3	+0.5	+2.0	3,196	3,152	3,060	2,976	+7.4
Household audio and video equipment	1,425	1,389	1,350	+2.6	+2.9	+4.2	1,368	1,329	1,287	1,006	+36.0
Communications equipment	13,716	13,626	13,042	+0.7	+4.5	+4.3	13,613	13,707	12,888	9,867	+38.0
Electronic components	12,916	12,848	12,703	+0.5	+1.1	+1.7	12,761	12,787	12,604	10,886	+17.2
Transportation equipment	58,742	58,333	58,561	+0.7	-0.4	-0.2	58,745	58,646	58,234	60,516	-2.9
Motor vehicles and parts	12,269	12,150	12,106	+1.0	+0.4	+0.6	12,255	12,352	12,270	11,663	+5.1
Aircraft, missiles, space vehicles, and parts	41,866	41,597	42,016	+0.6	-1.0	-0.5	41,751	41,538	41,461	44,625	-6.4
Shipbuilding and tanks	1,574	1,566	1,532	+0.5	+2.2	+0.9	1,601	1,587	1,508	1,616	-0.9
Instruments and related products	21,933	21,904	21,811	+0.1	+0.4	-0.4	21,722	21,797	21,279	21,661	+0.3
Search and navigation equipment	5,586	5,616	5,565	-0.5	+0.9	-0.6	5,471	5,609	5,333	5,558	-1.6
Measuring and controlling devices	6,826	6,834	6,769	-0.1	+1.0	+1.0	6,833	6,843	6,695	6,470	+5.6
Medical instruments and supplies	6,073	6,058	6,107	+0.2	-0.8	-1.4	5,982	5,994	5,986	6,087	-1.7
Photographic goods	2,564	2,531	2,497	+1.3	+1.4	-0.2	2,554	2,483	2,401	2,743	-6.9
All other durable goods	24,288	24,477	24,475	-0.8	0.0	+0.1	24,522	24,869	24,621	23,772	+3.2
Nondurable goods industries	148,523	147,602	145,853	+0.6	+1.2	+1.2	148,687	148,126	145,878	141,432	+5.1
With unfilled orders	35,739	35,100	34,518	+1.8	+1.7	+1.6	36,004	35,045	34,125	33,348	+8.0
Food and kindred products	31,363	31,287	31,167	+0.2	+0.4	+1.0	30,809	31,302	31,688	29,833	+3.3
Meat products	3,508	3,483	3,456	+0.7	+0.8	+1.3	3,557	3,506	3,384	3,304	+7.7
Dairy products	2,808	2,795	2,788	+0.5	+0.3	+0.1	2,749	2,694	2,709	2,631	+4.5
Beverages	5,368	5,309	5,260	+1.1	+0.9	+2.4	5,363	5,307	5,270	5,306	+1.1
All other foods, except fats and oils	18,116	18,056	18,037	+0.3	+0.1	+0.8	17,500	18,071	18,584	16,616	+5.3
Tobacco products	5,499	5,688	5,692	-3.3	-0.1	-1.5	5,565	6,059	6,013	6,187	-10.1
Textile mill products	9,996	9,900	9,844	+1.0	+0.6	+0.3	10,084	10,050	9,811	9,726	+3.7
Broadwoven fabrics and other textiles	5,578	5,526	5,492	+0.9	+0.6	+0.2	5,628	5,633	5,526	5,439	+3.5
Paper and allied products	14,385	14,132	13,872	+1.8	+1.9	+1.9	14,660	14,302	13,916	13,630	+7.6
Pulp, paper, and paperboard mill products	5,525	5,492	5,445	+0.6	+0.9	+1.7	5,630	5,567	5,477	5,921	-4.9
Paperboard containers and boxes	3,884	3,780	3,634	+2.8	+4.0	+3.5	3,969	3,872	3,677	3,201	+24.0
Miscellaneous converted paper products	4,976	4,860	4,793	+2.4	+1.4	+0.9	5,061	4,863	4,762	4,508	+12.3
Chemicals and allied products	34,645	34,631	34,400	0.0	+0.7	+0.3	35,063	35,144	34,523	34,379	+2.0
Industrial chemicals	16,905	17,029	16,883	-0.7	+0.9	+1.6	17,023	17,359	17,154	16,183	+5.2
Drugs, soaps, and toiletries	13,104	13,057	12,979	+0.4	+0.6	-1.7	12,986	12,877	12,601	13,444	-3.4
Petroleum and coal products	11,082	11,057	10,907	+0.2	+1.4	+3.6	10,849	10,726	10,517	9,992	+8.6
Rubber and plastics products	13,834	13,751	13,324	+0.6	+3.2	+2.2	14,119	14,048	13,492	12,573	+12.3
All other nondurable goods	27,719	27,156	26,647	+2.1	+1.9	+1.6	27,538	26,495	25,918	25,112	+9.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Mar. 1994	Mar. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	298,854	298,556	297,790	+0.1	+0.3	+0.6	312,919	295,576	268,357	288,084	+8.6	876,852	797,698
Market categories :													
Automotive equipment	14,843	14,807	14,787	+0.2	+0.1	-1.1	15,936	15,878	13,494	14,561	+9.4	45,308	41,881
Home goods and apparel	19,799	19,565	19,776	+1.2	-1.1	+0.3	20,402	19,446	17,139	19,498	+4.6	56,987	53,333
Consumer staples	59,784	60,457	60,466	-1.1	0.0	-0.9	60,246	58,358	55,369	59,071	+2.0	173,973	167,937
Machinery and equipment	53,777	53,715	52,590	+0.1	+2.1	+1.1	59,536	52,923	44,799	53,795	+10.7	157,258	140,880
Business supplies	21,977	22,047	22,187	-0.3	-0.6	+0.6	22,311	21,652	20,397	20,875	+6.9	64,360	58,800
Construction materials and supplies	18,718	19,177	19,108	-2.4	+0.4	+1.4	18,839	18,256	16,619	18,096	+4.1	53,714	49,643
Defense products	7,171	7,182	7,325	-0.2	-2.0	+7.7	7,536	6,939	6,133	7,815	-3.6	20,608	21,067
Other materials, supplies and and intermediate products	102,785	101,606	101,551	+1.2	+0.1	+0.9	108,113	102,124	94,407	94,373	+14.6	304,644	264,157
Durable goods industries :													
Nondefense capital goods [3]	41,348	40,954	39,862	+1.0	+2.7	+2.2	46,824	39,274	33,016	41,231	+13.6	119,114	104,363
Excluding aircraft and parts	36,308	35,759	34,885	+1.5	+2.5	+1.5	41,167	34,268	29,134	34,997	+17.6	104,569	89,709
Defense capital goods [4]	6,639	6,642	6,772	0.0	-1.9	+6.9	6,976	6,358	5,542	7,467	-6.6	18,876	19,860
Durables excluding capital goods	114,058	113,610	114,445	+0.4	-0.7	+0.4	119,971	115,344	104,129	109,511	+9.6	339,444	307,327
Miscellaneous series :													
Producers' durable equipment	103,603	103,221	102,534	+0.4	+0.7	+0.9	113,420	103,803	90,229	104,113	+8.9	307,452	281,188
Household durable goods	8,424	8,281	8,492	+1.7	-2.5	+0.7	8,948	8,045	7,328	8,407	+6.4	24,321	22,548
Information technology industries	19,916	19,396	18,937	+2.7	+2.4	-1.0	23,011	17,746	15,347	19,642	+17.2	56,104	48,668
Health care equipment and products	8,688	8,735	8,665	-0.5	+0.8	-0.4	9,085	8,484	8,265	8,897	+2.1	25,834	24,879
NEW ORDERS													
All manufacturing industries	300,571	300,804	301,724	-0.1	-0.3	+0.7	315,961	299,933	277,672	289,574	+9.1	893,566	809,594
Market categories :													
Automotive equipment	14,837	14,802	14,791	+0.2	+0.1	-1.4	15,906	15,890	13,553	14,559	+9.3	45,349	41,971
Home goods and apparel	19,678	19,529	20,025	+0.8	-2.5	+3.0	20,478	19,670	18,502	19,851	+3.2	58,650	55,133
Consumer staples	59,772	60,477	60,505	-1.2	0.0	-0.8	60,216	58,348	55,372	59,083	+1.9	173,936	167,868
Machinery and equipment	55,194	54,650	54,107	+1.0	+1.0	+6.4	60,344	54,310	47,348	52,921	+14.0	162,002	143,009
Business supplies	21,967	22,075	22,332	-0.5	-1.2	+1.0	22,401	21,765	20,543	21,126	+6.0	64,709	59,103
Construction materials and supplies	18,519	19,113	19,492	-3.1	-1.9	+2.3	18,692	18,529	17,148	18,593	+0.5	54,369	50,479
Defense products	7,932	7,378	6,853	+7.5	+7.7	-29.1	9,580	6,541	5,871	6,532	+46.7	21,992	20,169
Other materials, supplies and and intermediate products	102,672	102,780	103,619	-0.1	-0.8	+1.1	108,344	104,880	99,335	96,909	+11.8	312,559	271,862
Durable goods industries :													
Nondefense capital goods [5]	43,189	42,055	41,785	+2.7	+0.6	+10.7	47,683	40,682	35,951	40,273	+18.4	124,316	107,040
Excluding aircraft and parts	38,223	36,855	37,401	+3.7	-1.5	+7.5	42,100	35,671	32,662	36,525	+15.3	110,433	94,162
Defense capital goods [4]	7,243	6,865	6,174	+5.5	+11.2	-33.0	8,865	6,063	5,237	6,059	+46.3	20,165	18,403
Durables excluding capital goods	113,702	114,418	116,548	-0.6	-1.8	+1.1	119,914	118,105	109,980	111,982	+7.1	347,999	315,335
Miscellaneous series :													
Producers' durable equipment	104,580	104,767	104,550	-0.2	+0.2	+3.4	113,513	105,942	94,500	104,121	+9.0	313,955	286,067
Household durable goods	8,515	8,186	8,325	+4.0	-1.7	-0.7	9,078	7,962	7,987	8,467	+7.2	25,027	23,392
Information technology industries	20,468	20,023	19,912	+2.2	+0.6	+0.2	23,346	18,609	16,173	20,216	+15.5	58,128	49,406
Health care equipment and products	8,330	8,707	8,690	-4.3	+0.2	+2.1	8,728	8,456	8,290	8,719	+0.1	25,474	24,690

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Mar 95/94
	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Mar. 1994	
UNFILLED ORDERS											
All manufacturing industries	464,737	463,020	460,772	+0.4	+0.5	+0.9	468,482	465,440	461,083	450,254	+4.0
Market categories :											
Automotive equipment	2,157	2,163	2,168	-0.3	-0.2	+0.2	2,188	2,218	2,205	1,992	+9.8
Home goods and apparel	9,974	10,094	10,131	-1.2	-0.4	+2.5	9,991	9,915	9,691	10,462	-4.5
Consumer staples	1,626	1,638	1,617	-0.7	+1.3	+2.5	1,594	1,624	1,634	1,407	+13.3
Machinery and equipment	185,407	183,990	183,055	+0.8	+0.5	+0.8	185,577	184,769	183,382	182,352	+1.8
Business supplies	6,068	6,077	6,049	-0.1	+0.5	+2.5	6,158	6,068	5,955	5,671	+8.6
Construction materials and supplies	16,005	16,204	16,268	-1.2	-0.4	+2.4	16,095	16,242	15,970	14,711	+9.4
Defense products	106,889	106,128	105,933	+0.7	+0.2	-0.4	108,621	106,577	106,976	110,011	-1.3
Other materials, supplies and and intermediate products	136,611	136,726	135,551	-0.1	+0.9	+1.5	138,258	138,027	135,270	123,648	+11.8
Durable goods industries :											
Nondefense capital goods [3]	205,121	203,280	202,179	+0.9	+0.5	+1.0	205,118	204,259	202,851	200,014	+2.6
Excluding aircraft and parts	96,874	94,959	93,863	+2.0	+1.2	+2.8	96,871	95,938	94,535	80,111	+20.9
Defense capital goods [4]	112,708	112,104	111,881	+0.5	+0.2	-0.5	114,394	112,505	112,800	115,681	-1.1
Durables excluding capital goods	121,125	121,481	120,673	-0.3	+0.7	+1.8	122,982	123,039	120,278	111,160	+10.6
Miscellaneous series :											
Producers' durable equipment	220,055	219,078	217,532	+0.4	+0.7	+0.9	220,217	220,124	217,985	211,022	+4.4
Household durable goods	5,962	5,871	5,966	+1.5	-1.6	-2.7	5,903	5,773	5,856	5,679	+3.9
Information technology industries	39,475	38,923	38,296	+1.4	+1.6	+2.6	38,953	38,618	37,755	32,824	+18.7
Health care equipment and products	5,963	6,321	6,349	-5.7	-0.4	+0.4	5,962	6,319	6,347	7,298	-18.3
TOTAL INVENTORIES											
All manufacturing industries	402,330	399,726	396,104	+0.7	+0.9	+1.1	402,406	401,729	394,792	379,434	+6.1
Market categories :											
Automotive equipment	6,531	6,437	6,383	+1.5	+0.8	+1.0	6,660	6,677	6,504	6,157	+8.2
Home goods and apparel	33,285	32,983	32,574	+0.9	+1.3	+1.3	33,172	32,796	32,163	30,681	+8.1
Consumer staples	59,016	58,913	58,512	+0.2	+0.7	+0.5	58,273	58,792	58,567	57,071	+2.1
Machinery and equipment	98,482	97,619	96,478	+0.9	+1.2	+1.4	97,987	98,236	95,651	89,073	+10.0
Business supplies	22,738	22,439	22,123	+1.3	+1.4	+1.8	22,919	22,401	21,813	21,071	+8.8
Construction materials and supplies	25,643	25,458	25,348	+0.7	+0.4	-0.2	26,129	25,815	25,333	24,861	+5.1
Defense products	21,517	21,553	21,879	-0.2	-1.5	-0.7	21,454	21,392	21,394	24,439	-12.2
Other materials, supplies and and intermediate products	135,118	134,324	132,807	+0.6	+1.1	+1.5	135,812	135,620	133,367	126,081	+7.7
urable goods industries :											
Nondefense capital goods [3]	93,364	92,461	91,295	+1.0	+1.3	+1.9	92,595	92,734	90,350	83,622	+10.7
Excluding aircraft and parts	67,091	66,545	65,380	+0.8	+1.8	+2.8	66,415	66,654	64,582	57,862	+14.8
Defense capital goods [4]	22,216	22,284	22,610	-0.3	-1.4	-0.6	22,128	22,097	22,037	25,453	-13.1
Durables excluding capital goods	138,227	137,379	136,346	+0.6	+0.8	+0.8	138,996	138,772	136,527	128,927	+7.8
iscellaneous series :											
Producers' durable equipment	158,202	156,900	155,248	+0.8	+1.1	+1.3	157,723	157,823	154,324	143,955	+9.6
Household durable goods	14,614	14,620	14,454	0.0	+1.1	+1.1	14,569	14,706	14,346	13,576	+7.3
Information technology industries	35,315	35,313	34,701	0.0	+1.8	+3.9	34,651	35,225	34,110	31,012	+11.7
Health care equipment and products	13,213	13,172	13,175	+0.3	0.0	-1.5	13,061	13,014	12,854	13,390	-2.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1995[p]	Feb. 1995[r]	Jan 1995	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Mar. 1994	Mar. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	131,814	130,801	129,078	+0.8	+1.3	+0.9	131,155	131,170	130,218	119,957	+9.3
Durable goods industries	76,664	76,486	75,524	+0.2	+1.3	+0.7	75,774	76,688	76,175	68,047	+11.4
Stone, clay, and glass products	2,686	2,663	2,638	+0.9	+0.9	+0.9	2,685	2,675	2,671	2,568	+4.6
Primary metals	6,729	6,827	6,649	-1.4	+2.7	+3.2	6,517	6,739	6,732	5,705	+14.2
Fabricated metal products	8,720	8,606	8,516	+1.3	+1.1	+0.9	8,732	8,625	8,656	7,687	+13.6
Industrial machinery and equipment	17,421	17,312	16,766	+0.6	+3.3	-0.1	17,068	17,480	16,925	14,264	+19.7
Electronic and other electrical equipment	14,300	14,036	13,773	+1.9	+1.9	+3.8	14,246	14,044	13,779	11,188	+27.3
Transportation equipment	10,312	10,468	10,692	-1.5	-2.1	-1.4	10,262	10,476	10,667	10,844	-5.4
Instruments and related products	6,812	6,788	6,727	+0.4	+0.9	-2.3	6,790	6,756	6,738	6,682	+1.6
Lumber, furniture and miscellaneous durable goods	9,684	9,786	9,763	-1.0	+0.2	+0.8	9,474	9,893	10,007	9,109	+4.0
Nondurable goods industries	55,150	54,315	53,554	+1.5	+1.4	+1.1	55,381	54,482	54,043	51,910	+6.7
Food and kindred products	10,128	10,173	10,073	-0.4	+1.0	+0.8	10,179	10,253	10,377	10,045	+1.3
Tobacco products	4,669	4,715	4,692	-1.0	+0.5	-0.2	4,782	4,992	5,023	5,310	-9.9
Textile mill products	2,906	2,883	2,899	+0.8	-0.6	0.0	2,939	2,904	2,896	2,780	+5.7
Paper and allied products	7,404	7,285	7,091	+1.6	+2.7	+2.2	7,534	7,349	7,125	6,735	+11.9
Chemicals and allied products	11,508	11,429	11,395	+0.7	+0.3	-0.7	11,480	11,423	11,402	11,160	+2.9
Petroleum and coal products	3,476	3,012	3,000	+15.4	+0.4	+2.1	3,417	2,887	2,883	2,877	+18.8
Rubber and plastics products	5,259	5,273	5,090	-0.3	+3.6	+3.6	5,293	5,287	5,124	4,563	+16.0
Apparel, printing and publishing and leather goods	9,800	9,545	9,314	+2.7	+2.5	+2.0	9,757	9,387	9,213	8,440	+15.6
WORK IN PROCESS											
All manufacturing industries	131,573	131,338	130,779	+0.2	+0.4	+1.4	131,477	131,253	129,318	128,449	+2.4
Durable goods industries	107,273	107,115	106,765	+0.1	+0.3	+1.5	107,194	107,199	105,354	105,070	+2.0
Stone, clay, and glass products	1,225	1,203	1,175	+1.8	+2.4	+3.6	1,299	1,250	1,158	1,089	+19.3
Primary metals	7,875	7,754	7,730	+1.6	+0.3	-0.1	7,959	7,787	7,679	7,309	+8.9
Fabricated metal products	7,930	7,795	7,715	+1.7	+1.0	-1.0	8,004	7,850	7,749	7,489	+6.9
Industrial machinery and equipment	19,323	19,342	19,526	-0.1	-0.9	+6.5	19,105	19,047	19,008	18,820	+1.5
Electronic and other electrical equipment	16,675	16,791	16,417	-0.7	+2.3	+1.0	16,612	16,851	16,194	14,460	+14.9
Transportation equipment	39,776	39,732	39,730	+0.1	0.0	+0.4	39,862	39,884	39,479	41,724	-4.5
Instruments and related products	9,417	9,440	9,335	-0.2	+1.1	+2.1	9,275	9,443	8,995	9,133	+1.6
Lumber, furniture and miscellaneous durable goods	5,052	5,058	5,137	-0.1	-1.5	-0.5	5,078	5,087	5,092	5,046	+0.6
Nondurable goods industries	24,300	24,223	24,014	+0.3	+0.9	+0.6	24,283	24,054	23,964	23,379	+3.9
Food and kindred products	4,069	3,949	4,025	+3.0	-1.9	-1.6	4,065	3,921	4,239	4,013	+1.3
Tobacco products	173	181	177	-4.4	+2.3	+5.4	153	191	192	162	-5.6
Textile mill products	2,640	2,608	2,587	+1.2	+0.8	+2.8	2,654	2,630	2,592	2,604	+1.9
Paper and allied products	1,313	1,287	1,275	+2.0	+0.9	+4.2	1,325	1,283	1,281	1,187	+11.6
Chemicals and allied products	5,391	5,346	5,365	+0.8	-0.4	-1.0	5,346	5,338	5,347	5,574	-4.1
Petroleum and coal products	2,267	2,516	2,441	-9.9	+3.1	+2.7	2,242	2,439	2,314	2,262	-0.9
Rubber and plastics products	2,039	2,021	1,954	+0.9	+3.4	+1.7	2,019	2,061	2,002	1,747	+15.6
Apparel, printing and publishing and leather goods	6,408	6,315	6,190	+1.5	+2.0	+0.6	6,479	6,191	5,997	5,830	+11.1
FINISHED GOODS											
All manufacturing industries	138,943	137,587	136,247	+1.0	+1.0	+1.0	139,774	139,306	135,256	131,028	+6.7
Durable goods industries	69,870	68,523	67,962	+2.0	+0.8	+0.6	70,751	69,716	67,385	64,885	+9.0
Stone, clay, and glass products	3,927	3,902	3,907	+0.6	-0.1	+0.1	4,080	4,060	3,936	4,045	+0.9
Primary metals	6,810	6,740	6,716	+1.0	+0.4	+1.9	6,888	6,897	6,726	6,387	+7.8
Fabricated metal products	8,470	8,317	8,098	+1.8	+2.7	+2.3	8,710	8,417	7,948	7,903	+10.2
Industrial machinery and equipment	15,150	14,717	14,547	+2.9	+1.2	+0.1	15,312	15,226	14,743	13,916	+10.0
Electronic and other electrical equipment	11,603	11,405	11,231	+1.7	+1.5	+3.2	11,513	11,343	10,876	9,223	+24.8
Transportation equipment	8,654	8,133	8,139	+6.4	-0.1	-1.1	8,621	8,286	8,088	7,948	+8.5
Instruments and related products	5,704	5,676	5,749	+0.5	-1.3	-2.2	5,657	5,598	5,546	5,846	-3.2
Lumber, furniture and miscellaneous durable goods	9,552	9,633	9,575	-0.8	+0.6	-0.3	9,970	9,889	9,522	9,617	+3.7
Nondurable goods industries	69,073	69,064	68,285	0.0	+1.1	+1.4	69,023	69,590	67,871	66,143	+4.4
Food and kindred products	17,166	17,165	17,069	0.0	+0.6	+1.7	16,565	17,128	17,072	15,775	+5.0
Tobacco products	657	792	823	-17.0	-3.8	-9.7	630	876	798	715	-11.9
Textile mill products	4,450	4,409	4,358	+0.9	+1.2	-1.0	4,491	4,516	4,323	4,342	+3.4
Paper and allied products	5,668	5,560	5,506	+1.9	+1.0	+1.0	5,801	5,670	5,510	5,708	+1.6
Chemicals and allied products	17,746	17,856	17,640	-0.6	+1.2	+1.4	18,237	18,383	17,774	17,645	+3.4
Petroleum and coal products	5,339	5,529	5,466	-3.4	+1.2	+4.8	5,190	5,400	5,320	4,853	+6.9
Rubber and plastics products	6,536	6,457	6,280	+1.2	+2.8	+1.2	6,807	6,700	6,366	6,263	+8.7
Apparel, printing and publishing and leather goods	11,511	11,296	11,143	+1.9	+1.4	+1.8	11,302	10,917	10,708	10,842	+4.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Dec. 1994	Mar. 1995[p]	Feb. 1995[r]	Jan. 1995	Dec. 1994
All manufacturing industries	1.35	1.34	1.33	1.32	2.85	2.86	2.85	2.87
Durable goods industries	1.57	1.56	1.55	1.55	3.41	3.42	3.41	3.43
Stone, clay, and glass products	1.10	1.08	1.07	1.06	1.20	1.20	1.23	1.18
Primary metals	1.40	1.41	1.38	1.37	1.94	1.95	1.93	1.93
Fabricated metal products	1.60	1.56	1.50	1.59	1.46	1.44	1.40	1.48
Industrial machinery and equipment	1.71	1.70	1.74	1.72	2.52	2.49	2.53	2.49
Electronic and other electrical equipment	1.69	1.72	1.68	1.64	1.99	2.00	1.98	1.92
Transportation equipment	1.46	1.45	1.46	1.47	10.83	10.83	10.75	11.02
Instruments and related products	1.90	1.88	1.90	1.92	4.08	4.11	4.16	4.17
Nondurable goods industries	1.09	1.07	1.07	1.05	0.75	0.76	0.76	0.76
Food and kindred products	0.87	0.87	0.85	0.82	(X)	(X)	(X)	(X)
Tobacco products	1.98	1.87	1.87	2.18	(X)	(X)	(X)	(X)
Textile mill products	1.54	1.55	1.54	1.52	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.06	1.06	1.06	1.09	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.13	1.13	1.13	1.12	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.83	0.86	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.36	1.32	1.29	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1995	Mar.[2] 1990-1994	Mar. 1994-Feb. 1995	Mar.[1] 1995	Mar.[2] 1990-1994	Mar. 1994-Feb. 1995	Mar.[1] 1995	Mar.[2] 1990-1994	Mar. 1994-Feb. 1995	Mar.[1] 1995	Mar.[2] 1990-1994	Mar. 1994-Feb. 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.2	0.2	-0.1	0.2	0.2	0.0	0.1	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.7	0.7	(X)	1.0	1.2	(X)	0.3	0.6	(X)	0.1	0.1
Primary metals	0.6	0.3	0.4	0.8	0.4	0.8	0.0	0.2	0.3	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.4	(X)	0.2	0.5	(X)	0.2	0.2	(X)	0.2	0.2
Industrial machinery and equipment	-0.4	0.6	0.5	-1.0	0.5	0.8	-0.2	0.3	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.0	0.2	0.3	0.5	0.6	0.6	0.3	0.1	0.3	(X)	0.1	0.1
Transportation equipment	0.0	0.4	0.6	0.1	0.8	0.9	0.0	0.1	0.1	(X)	0.0	0.2
Instruments and related products	(X)	0.1	0.5	(X)	0.4	0.8	(X)	0.1	0.1	(X)	0.0	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Rubber and plastics products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.1	0.3	0.4	-0.4	0.4	0.7	0.0	0.1	0.1	(X)	0.0	0.1
Defense	0.0	0.4	0.5	-0.1	1.8	2.9	0.0	0.1	0.1	(X)	0.1	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

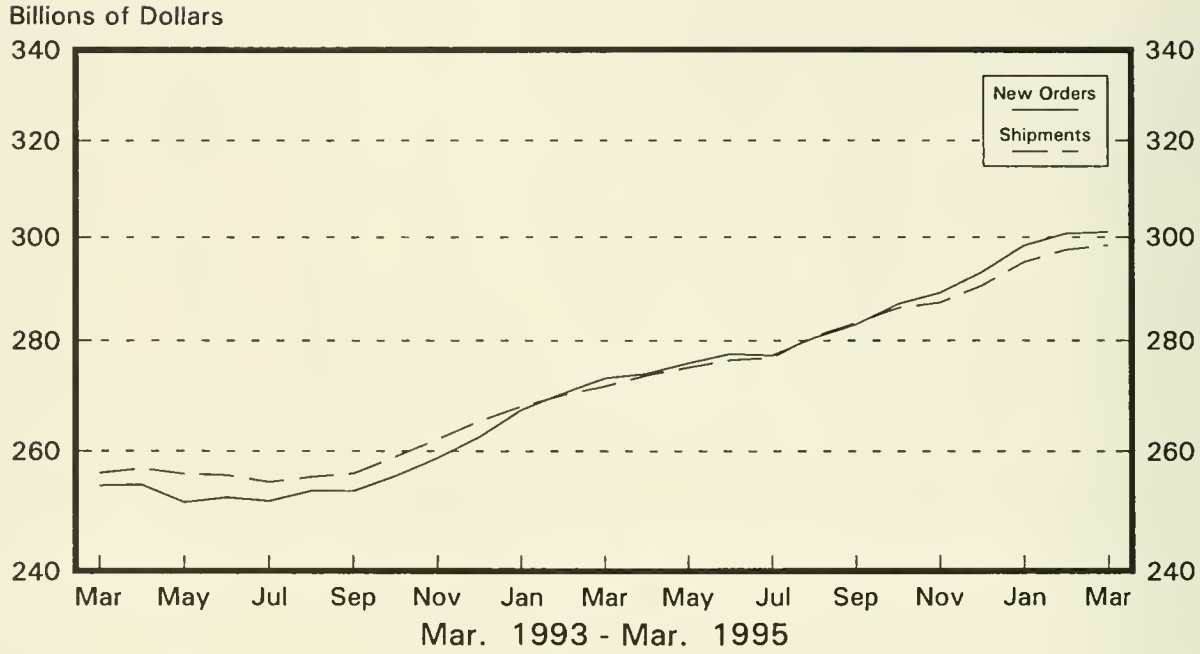
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

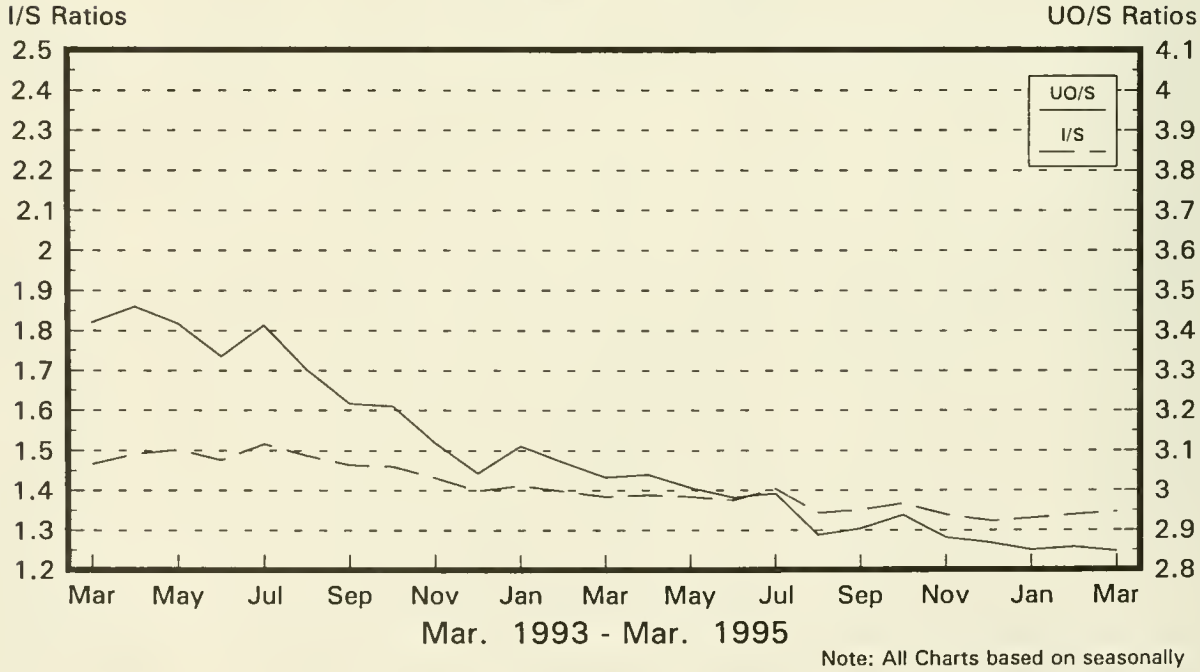
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

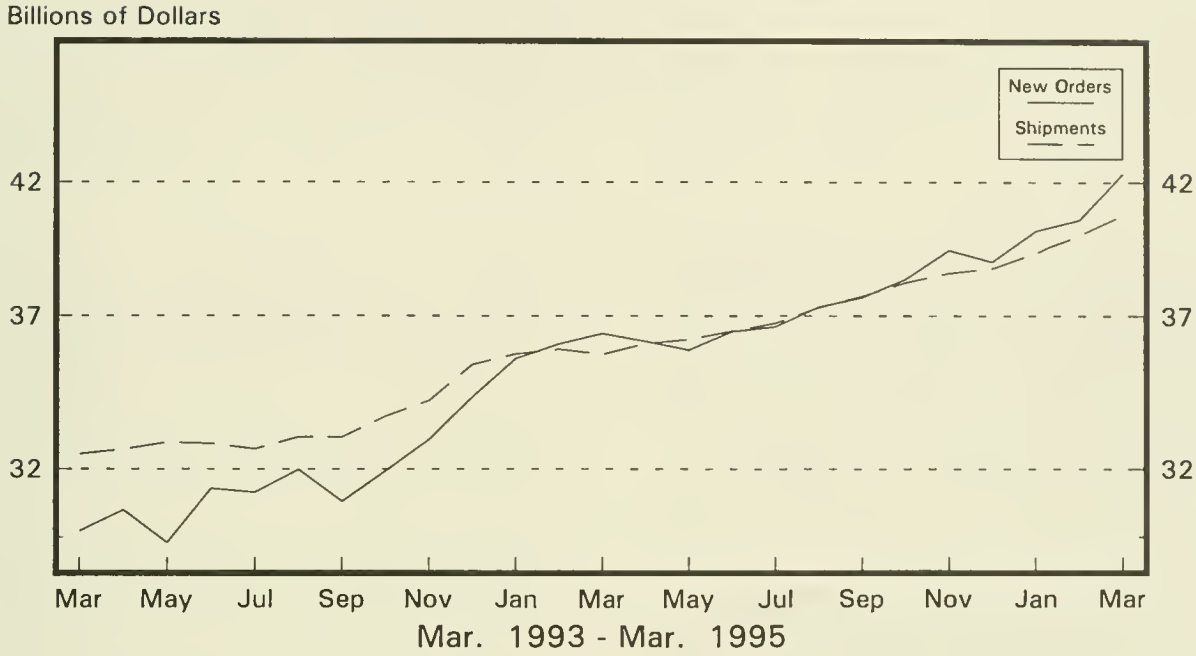
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

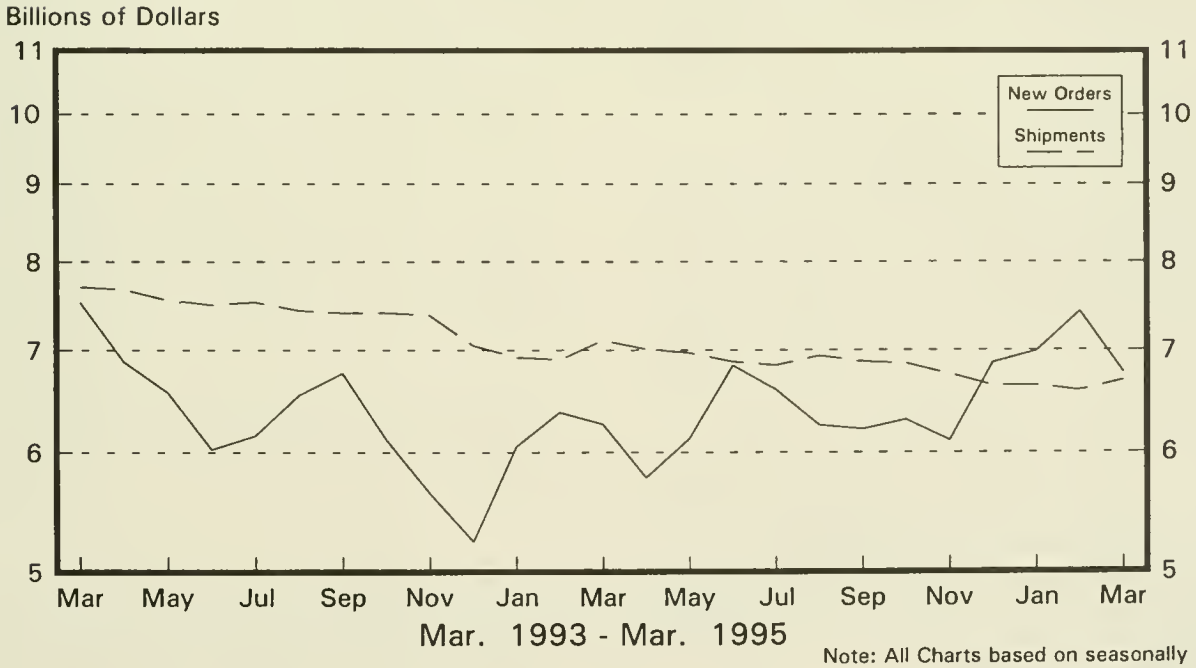
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in April decreased $5.7 billion or 1.9 percent to $294.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent March decrease, is the third consecutive monthly decline, and is the largest decline since July 1994. Year to date, new orders are 9.3 percent above the same period a year ago.

Shipments decreased $2.8 billion or 0.9 percent to $295.6 billion, following a slight decrease in March and four consecutive monthly increases. Year to date shipments are 9.3 percent above the same period a year ago.

Unfilled orders decreased $1.7 billion or 0.4 percent to $462.5 billion, following a 0.3 percent March increase. This is the first decline since August 1994. The unfilled orders-to-shipments ratio was 2.86, up from 2.85 in March.

Inventories increased $2.5 billion or 0.6 percent to $404.6 billion, following a 0.6 percent March increase. This is the seventh consecutive monthly increase and the fourteenth in the last sixteen months. The inventories-to-shipments ratio was 1.37, up from 1.35 in March.

New Orders

New orders for manufactured durable goods in April decreased $6.6 billion or 4.0 percent to $156.5 billion, unrevised from the previously published decrease. This follows a 0.2 percent March decrease, is the third consecutive monthly decline, and is the largest decline since 5.4 percent in December 1991.

All major groups decreased except instruments and related products and furniture and fixtures. Transportation equipment had the largest decrease, $3.7 billion or 9.3 percent to $35.8 billion, mostly due to motor vehicles and parts and aircraft and aircraft parts. This follows a 2.9 percent March decrease and is the third decline in the last four months. Industrial machinery and equipment, down for the first month since December, decreased $1.4 billion or 4.3 percent to $30.5 billion; declines were widespread. Electronic and other electrical equipment decreased $0.9 billion or 3.3 percent to $25.7 billion, mostly due to communication equipment. This follows a 7.3 percent March increase and is the second decline in the last nine months. Stone, clay, and glass products decreased $0.4 billion or 6.3 percent to $6.4 billion, the third consecutive monthly decline. Primary metals decreased $0.2 billion or 1.6 percent to $14.9 billion, the fourth consecutive monthly decline.

New orders for nondurable goods increased $0.9 billion or 0.7 percent to $137.5 billion. This is the sixth increase in the last seven months. The largest increases were in petroleum and coal products, leather and leather products, paper and allied products, and food and kindred products.

Shipments

Shipments of durable goods in April decreased $3.3 billion or 2.0 percent to $158.3 billion, revised from the previously published 2.1 percent decrease. This follows a 0.2 percent March increase and is the first decline since October 1994. Transportation equipment, down for the third consecutive month, had the largest decline, $1.6 billion or 4.1 percent to $38.3 billion. Electronic and other electrical equipment decreased $0.3 billion or 1.4 percent to $24.8 billion. This follows a 2.6 percent March increase and is the third decline in the last four months. Stone, clay, and glass products decreased $0.4 billion or 5.8 percent to $6.6 billion. Primary metals decreased $0.3 billion or 1.9 percent to $15.0 billion. This follows a 1.0 percent March increase and is the second decline in the last fifteen months. Instruments and related products declined $0.3 billion or 2.3 percent to $11.3 billion.

Shipments of nondurable goods increased $0.5 billion or 0.4 percent to $137.4 billion, following a 0.4 percent March decline. Petroleum and coal products had the largest increase, $0.5 billion or 3.8 percent to $13.6 billion.

Unfilled Orders

Unfilled orders for durable goods in April decreased $1.8 billion or 0.4 percent to $436.6 billion, unrevised from the previously published decline. This follows a 0.3 percent March increase and is the first decline since August 1994. Transportation equipment had the largest decline $2.5 billion or 1.2 percent to $200.1 billion, following a 0.2 percent March decline. Since reaching a peak in March 1991, unfilled orders of transportation equipment have declined nearly every month. Stone, clay, and glass products decreased $0.2 billion or 2.7 percent to $7.7 billion . Instruments and related products declined $0.2 billion or 0.5 percent to $46.9 billion, following a 1.4 percent March decrease. Electronic and other electrical equipment increased $0.9 billion or 1.9 percent to $51.3 billion, the eighth consecutive monthly increase. Industrial machinery and equipment increased $0.3 billion or 0.4 percent to $72.0 billion. This follows a 2.1 percent March increase and is the twenty-first increase in the last twenty-two months.

Inventories

Inventories for durable goods in April increased $1.5 billion or 0.6 percent to $254.7 billion, with increases in all categories except transportation equipment. This is the fourteenth increase in the last sixteen months. Electronic and other electrical equipment had the largest increase, $0.4 billion or 1.0 percent to $43.0 billion. This follows a 0.8 percent March increase and is the sixteenth consecutive increase. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $51.6 billion, the third increase in the last four months. Fabricated metal products increased $0.2 billion or 0.9 percent to $25.4 billion, the seventh consecutive monthly increase. Transportation equipment was down $0.2 billion or 0.4 percent to $58.4 billion following a 0.5 percent March increase. This is the eighth decrease in the last nine months.

Inventories for nondurable goods increased $1.0 billion or 0.7 percent to $149.9 billion, the seventh consecutive monthly increase. Chemicals and allied products had the largest increase, $0.5 billion or 1.4 percent to $35.2 billion.

By stage of fabrication, finished goods increased 0.3 percent in durables and 0.9 percent for nondurables. Work in process increased 0.4 percent in durables and 0.3 percent in nondurables. Materials and supplies increased 1.1 percent in durables and 0.6 percent in nondurables.

The advance report on durable goods for May is scheduled for June 23, 1995 at 8:30 a.m. and the full report on June 30, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202) 482-2870 and through the Census Bureau's online information service, CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94	1995[p]	1994
All manufacturing industries	295,637	298,437	298,556	-0.9	0.0	+0.3	292,695	313,519	295,576	272,953	+7.2	1,170,147	1,070,651
Manufacturing Industries													
with unfilled orders	161,589	163,087	162,069	-0.9	+0.6	+0.2	157,785	173,633	159,547	144,619	+9.1	634,969	571,342
without defense capital goods	289,070	291,794	291,914	-0.9	0.0	+0.3	286,610	306,509	289,218	266,482	+7.6	1,145,152	1,044,320
Durable goods industries	158,259	161,571	161,206	-2.0	+0.2	+0.1	157,102	174,202	160,976	147,235	+6.7	634,967	578,785
With unfilled orders	126,794	128,552	127,849	-1.4	+0.5	+0.2	123,509	138,707	125,667	114,154	+8.2	500,293	452,237
Stone, clay, and glass products	6,634	7,045	7,212	-5.8	-2.3	0.0	6,868	6,951	6,656	6,868	0.0	26,543	24,511
Primary metals	15,016	15,305	15,152	-1.9	+1.0	-0.7	15,317	16,123	15,456	12,594	+21.6	61,399	48,938
Blast furnaces, steel mills	6,336	6,538	6,467	-3.1	+1.1	+2.3	6,450	6,918	6,571	5,682	+13.5	26,052	22,384
Iron and steel foundries	1,298	1,329	1,335	-2.3	-0.4	-2.8	1,360	1,419	1,384	1,225	+11.0	5,451	4,723
Nonferrous and other primary metals	7,382	7,438	7,350	-0.8	+1.2	-2.8	7,507	7,786	7,501	5,687	+32.0	29,896	21,831
Fabricated metal products	15,693	15,695	15,858	0.0	-1.0	-2.2	15,638	16,547	15,882	14,938	+4.7	62,782	59,117
Industrial machinery and equipment	30,200	30,351	30,131	-0.5	+0.7	+3.4	29,167	35,220	29,401	25,836	+12.9	118,416	103,481
Engines and turbines	1,997	1,799	2,023	+11.0	-11.1	+3.0	1,865	1,999	1,887	1,629	+14.5	7,314	6,558
Farm and garden machinery	1,855	1,890	1,904	-1.9	-0.7	+3.7	2,469	2,524	2,256	2,314	+6.7	8,905	8,096
Construction, mining and material handling equipment	3,059	3,112	3,170	-1.7	-1.8	+1.3	3,163	3,435	3,349	2,721	+16.2	12,763	10,672
Metalworking machinery	3,404	3,297	3,332	+3.2	-1.1	+1.0	3,176	3,539	3,223	2,642	+20.2	12,674	10,424
Computer and office equipment	8,229	8,494	7,990	-3.1	+6.3	+5.2	6,641	10,641	6,995	5,827	+14.0	29,971	26,280
Electronic and other electrical equipment	24,794	25,138	24,491	-1.4	+2.6	-0.5	23,590	26,568	23,889	21,225	+11.1	95,651	83,422
Electrical transmission and distribution equipment and industrial apparatus	2,743	2,900	2,821	-5.4	+2.8	+1.6	2,734	3,202	2,922	2,574	+6.2	11,302	10,264
Household appliances	1,826	1,864	1,883	-2.0	-1.0	-3.2	1,837	2,009	1,800	1,932	-4.9	7,278	7,097
Electric lighting and wiring equipment	1,928	1,954	1,948	-1.3	+0.3	+0.2	1,837	2,076	2,013	1,710	+7.4	7,648	6,851
Household audio and video equipment	1,121	1,119	1,130	+0.2	-1.0	+1.7	898	1,057	1,035	818	+9.8	3,904	3,437
Communications equipment	5,893	5,853	5,700	+0.7	+2.7	-1.5	5,472	6,328	5,255	4,607	+18.8	21,785	17,565
Electronic components	9,070	9,319	8,886	-2.7	+4.9	+0.4	8,816	9,798	8,886	7,514	+17.3	35,741	29,828
Transportation equipment	38,291	39,926	40,171	-4.1	-0.6	-0.1	39,759	43,438	42,205	39,739	+0.1	161,246	156,135
Motor vehicles and parts	26,603	28,445	28,686	-6.5	-0.8	-0.3	28,227	30,988	31,065	28,940	-2.5	116,769	112,27
Aircraft, missiles, space vehicles, and parts	8,779	8,455	8,688	+3.8	-2.7	+2.2	8,438	9,183	8,357	7,880	+7.1	32,731	33,40
Shipbuilding and tanks	857	898	820	-4.6	+9.5	-14.0	826	942	804	972	-15.0	3,352	3,68
Instruments and related products	11,330	11,600	11,624	-2.3	-0.2	+1.4	10,706	12,341	11,192	10,360	+3.3	44,379	41,73
Search and navigation equipment	2,658	2,655	2,614	+0.1	+1.6	-1.1	2,407	2,841	2,524	2,284	+5.4	9,978	9,34
Measuring and controlling devices	3,395	3,690	3,575	-8.0	+3.2	+4.3	3,266	4,074	3,487	3,032	+7.7	13,994	12,38
Medical instruments and supplies	3,010	3,095	3,120	-2.7	-0.8	+0.5	2,869	3,293	3,055	2,841	+1.0	12,095	11,55
Photographic goods	1,859	1,767	1,925	+5.2	-8.2	+2.0	1,753	1,728	1,751	1,834	-4.4	6,767	7,06
All other durable goods	16,301	16,511	16,567	-1.3	-0.3	-2.3	16,057	17,014	16,295	15,675	+2.4	64,551	61,44
Nondurable goods industries	137,378	136,866	137,350	+0.4	-0.4	+0.5	135,593	139,317	134,600	125,718	+7.9	535,180	491,86
With unfilled orders	34,795	34,535	34,220	+0.8	+0.9	+0.5	34,276	34,926	33,880	30,465	+12.5	134,676	119,10
Food and kindred products	36,172	36,010	36,167	+0.4	-0.4	-1.0	35,077	36,681	35,374	33,898	+3.5	140,425	137,59
Meat products	8,356	8,045	8,150	+3.9	-1.3	+0.6	8,172	7,983	7,957	7,749	+5.5	31,676	31,22
Dairy products	4,713	4,733	4,792	-0.4	-1.2	-1.6	4,633	4,803	4,679	4,532	+2.2	18,614	18,14
Beverages	5,333	5,339	5,279	-0.1	+1.1	-0.5	5,264	5,311	4,751	5,134	+2.5	19,800	19,21
All other foods, except fats and oils	15,873	15,793	15,970	+0.5	-1.1	-2.0	15,111	16,484	16,011	14,758	+2.4	62,408	61,67
Tobacco products	2,992	2,843	3,044	+5.2	-6.6	+0.2	2,866	2,936	2,761	2,703	+6.0	11,038	10,63
Textile mill products	6,290	6,424	6,380	-2.1	+0.7	-0.2	6,057	6,740	6,194	5,869	+3.2	24,516	23,14
Broadwoven fabrics and other textiles	3,913	4,011	3,995	-2.4	+0.4	-0.1	3,792	4,289	3,951	3,635	+4.3	15,558	14,51
Paper and allied products	13,706	13,469	13,372	+1.8	+0.7	+2.5	13,327	13,719	13,490	10,667	+24.9	53,159	42,87
Pulp, paper, and paperboard mill products	6,077	5,858	5,697	+3.7	+2.8	+3.6	5,889	5,968	5,788	4,149	+41.9	22,986	16,90
Paperboard containers and boxes	3,580	3,629	3,609	-1.4	+0.6	+2.9	3,612	3,698	3,580	2,922	+23.6	14,284	11,01
Miscellaneous converted paper products	4,049	3,982	4,066	+1.7	-2.1	+0.7	3,826	4,053	4,122	3,596	+6.4	15,889	14,96
Chemicals and allied products	30,111	30,488	30,695	-1.2	-0.7	+0.6	31,069	32,372	30,456	28,983	+7.2	122,828	110,08
Industrial chemicals	16,519	16,819	16,832	-1.8	-0.1	-0.1	16,948	17,607	17,046	14,721	+15.1	67,636	56,44
Drugs, soaps, and toiletries	10,314	10,281	10,334	+0.3	-0.5	+1.0	9,829	10,690	9,978	9,763	+0.7	40,419	39,53
Petroleum and coal products	13,583	13,082	13,400	+3.8	-2.4	+5.2	13,295	11,847	12,100	11,586	+14.8	48,569	42,51
Rubber and plastics products	10,037	10,111	10,100	-0.7	+0.1	-0.1	10,245	10,680	10,137	9,514	+7.7	40,538	36,60
All other nondurable goods	24,487	24,439	24,192	+0.2	+1.0	-0.7	23,657	24,342	24,088	22,498	+5.2	94,107	88,41

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94	1995[p]	1994
All manufacturing industries	293,957	299,625	300,804	-1.9	-0.4	-0.3	292,376	316,242	299,933	274,600	+6.5	1,186,223	1,084,194
lanufacturing industries with unfilled orders	159,909	164,275	164,317	-2.7	0.0	-0.8	157,466	176,356	163,904	146,266	+7.7	651,045	584,885
without defense capital goods	288,623	292,466	293,939	-1.3	-0.5	-0.5	287,997	307,308	293,870	269,416	+6.9	1,161,610	1,060,607
urable goods industries	156,478	163,042	163,338	-4.0	-0.2	-0.7	156,296	176,497	164,850	148,187	+5.5	648,811	588,965
With unfilled orders	125,013	130,023	129,981	-3.9	0.0	-0.8	122,703	141,002	129,541	115,106	+6.6	514,137	462,417
tone, clay, and glass products	6,416	6,851	7,006	-6.3	-2.2	-6.8	6,725	6,755	6,842	7,216	-6.8	26,790	25,238
rimary metals	14,938	15,182	15,232	-1.6	-0.3	-2.2	14,934	16,873	16,223	12,715	+17.5	64,226	52,906
Blast furnaces, steel mills	6,313	6,665	6,472	-5.3	+3.0	-0.4	6,266	7,402	7,041	5,823	+7.6	27,805	24,134
Iron and steel foundries	1,368	1,332	1,511	+2.7	-11.8	+10.6	1,426	1,402	1,539	1,175	+21.4	5,781	5,034
Nonferrous and other primary metals	7,257	7,185	7,249	+1.0	-0.9	-5.9	7,242	8,069	7,643	5,717	+26.7	30,640	23,738
abricated metal products	15,729	15,754	15,995	-0.2	-1.5	-2.9	15,620	16,655	16,157	14,841	+5.2	63,589	59,554
dustrial machinery and equipment	30,473	31,827	31,274	-4.3	+1.8	+1.5	29,349	35,741	30,817	27,380	+7.2	123,155	108,388
Engines and turbines	1,890	1,843	1,854	+2.6	-0.6	-6.7	1,510	1,761	1,524	1,380	+9.4	6,245	5,941
Construction, mining and material handling equipment	3,144	3,343	3,225	-6.0	+3.7	-7.0	3,175	3,771	3,426	2,885	+10.1	13,776	11,408
Metalworking machinery	3,588	3,706	3,588	-3.2	+3.3	-3.5	3,360	3,948	3,479	2,808	+19.7	13,942	11,779
Computer and office equipment	8,346	8,709	8,406	-4.2	+3.6	+7.4	7,015	10,612	7,638	6,489	+8.1	31,046	27,273
ectronic and other electrical equipment	25,727	26,598	24,799	-3.3	+7.3	-4.5	25,989	27,159	24,703	23,293	+11.6	102,238	87,135
Electrical transmission and distribution equipment and industrial apparatus	2,778	2,838	2,918	-2.1	-2.7	-2.1	2,782	3,112	3,042	2,624	+6.0	11,632	10,637
Electric lighting and wiring equipment	1,974	1,956	2,035	+0.9	-3.9	-2.4	1,883	2,078	2,100	1,761	+6.9	7,925	6,967
Communications equipment	5,947	6,734	5,572	-11.7	+20.9	-10.4	5,581	7,231	5,100	4,765	+17.1	23,069	17,849
Electronic components	9,907	9,964	9,447	-0.6	+5.5	-2.5	11,118	9,751	9,975	9,219	+20.6	40,889	32,602
ansportation equipment	35,780	39,457	40,650	-9.3	-2.9	+2.4	37,138	44,351	42,604	37,631	-1.3	159,685	153,778
Aircraft, missiles, space vehicles, and parts	6,907	8,531	9,449	-19.0	-9.7	+29.2	6,459	10,603	8,889	5,924	+9.0	31,578	30,643
Shipbuilding and tanks	375	413	460	-9.2	-10.2	-72.1	396	479	486	649	-39.0	2,851	2,312
struments and related products	11,113	10,931	11,812	+1.7	-7.5	+3.0	10,030	11,755	11,123	9,187	+9.2	43,302	39,631
Search and navigation equipment	2,412	2,591	2,486	-6.9	+4.2	+10.9	1,740	2,819	2,134	1,296	+34.3	8,732	7,081
Measuring and controlling devices	3,485	3,458	3,860	+0.8	-10.4	+2.2	3,356	3,842	3,772	3,141	+6.8	14,488	12,893
Medical instruments and supplies	2,956	2,744	3,092	+7.7	-11.3	-1.2	2,815	2,942	3,027	2,666	+5.6	11,687	11,192
l other durable goods	16,302	16,442	16,570	-0.9	-0.8	-2.7	16,511	17,208	16,381	15,924	+3.7	65,826	62,335
ondurable goods industries	137,479	136,583	137,466	+0.7	-0.6	+0.2	136,080	139,745	135,083	126,413	+7.6	537,412	495,229
With unfilled orders	34,896	34,252	34,336	+1.9	-0.2	-0.6	34,763	35,354	34,363	31,160	+11.6	136,908	122,468

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), lanufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94
All manufacturing industries	462,528	464,208	463,020	-0.4	+0.3	+0.5	467,844	468,163	465,440	451,901	+3.5
Manufacturing industries without defense capital goods	351,141	351,588	350,916	-0.1	+0.2	+0.6	355,121	353,734	352,935	337,507	+5.2
Durable goods industries	436,555	438,336	436,865	-0.4	+0.3	+0.5	441,292	442,098	439,803	427,807	+3.2
Stone, clay, and glass products	7,713	7,931	8,125	-2.7	-2.4	-2.5	7,761	7,904	8,100	7,546	+2.8
Primary metals	29,374	29,452	29,575	-0.3	-0.4	+0.3	30,686	31,069	30,319	25,516	+20.3
Blast furnaces, steel mills	11,713	11,736	11,609	-0.2	+1.1	0.0	12,404	12,588	12,104	11,462	+8.2
Iron and steel foundries	3,997	3,927	3,924	+1.8	+0.1	+4.7	4,017	3,951	3,968	3,354	+19.8
Nonferrous and other primary metals	13,664	13,789	14,042	-0.9	-1.8	-0.7	14,265	14,530	14,247	10,700	+33.3
Fabricated metal products	21,139	21,103	21,044	+0.2	+0.3	+0.7	21,299	21,317	21,209	20,483	+4.0
Industrial machinery and equipment	71,974	71,701	70,225	+0.4	+2.1	+1.7	71,935	71,753	71,232	57,885	+24.3
Engines and turbines	10,011	10,118	10,074	-1.1	+0.4	-1.6	9,555	9,910	10,148	9,522	+0.3
Construction, mining and material handling equipment	7,801	7,716	7,485	+1.1	+3.1	+0.7	8,012	8,000	7,664	6,527	+22.8
Metalworking machinery	10,845	10,661	10,252	+1.7	+4.0	+2.6	10,845	10,661	10,252	8,690	+24.8
Computer and office equipment	12,564	12,447	12,232	+0.9	+1.8	+3.5	12,275	11,901	11,930	8,244	+48.9
Electronic and other electrical equipment	51,331	50,398	48,938	+1.9	+3.0	+0.6	52,719	50,320	49,729	48,151	+9.5
Electrical transmission and distribution equipment and industrial apparatus	6,063	6,028	6,090	+0.6	-1.0	+1.6	6,076	6,028	6,118	6,143	-1.1
Electric lighting and wiring equipment	3,920	3,874	3,872	+1.2	+0.1	+2.3	3,920	3,874	3,872	3,353	+16.9
Communications equipment	16,237	16,183	15,302	+0.3	+5.8	-0.8	16,288	16,179	15,276	15,316	+6.3
Electronic components	19,664	18,827	18,182	+4.4	+3.5	+3.2	21,080	18,778	18,825	17,878	+17.9
Transportation equipment	200,064	202,575	203,044	-1.2	-0.2	+0.2	201,613	204,234	203,321	211,119	-4.5
Aircraft, missiles, space vehicles, and parts	168,454	170,326	170,250	-1.1	0.0	+0.4	169,739	171,718	170,298	181,264	-6.4
Shipbuilding and tanks	18,381	18,863	19,348	-2.6	-2.5	-1.8	18,438	18,868	19,331	17,925	+2.9
Instruments and related products	46,941	47,158	47,827	-0.5	-1.4	+0.4	46,941	47,617	48,203	49,290	-4.8
Search and navigation equipment	30,461	30,707	30,771	-0.8	-0.2	-0.4	30,461	31,128	31,150	32,029	-4.9
Measuring and controlling devices	9,743	9,653	9,885	+0.9	-2.3	+3.0	9,743	9,653	9,885	9,336	+4.4
Medical instruments and supplies	5,884	5,938	6,289	-0.9	-5.6	-0.4	5,884	5,938	6,289	7,094	-17.1
All other durable goods	8,019	8,018	8,087	0.0	-0.9	0.0	8,338	7,884	7,690	7,817	+6.7
Nondurable goods industries	25,973	25,872	26,155	+0.4	-1.1	+0.4	26,552	26,065	25,637	24,094	+10.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94
All manufacturing industries	404,621	402,081	399,726	+0.6	+0.6	+0.9	406,699	402,074	401,729	382,017	+6.5
Manufacturing industries with unfilled orders	269,620	267,741	265,715	+0.7	+0.8	+0.9	271,547	267,102	266,133	253,616	+7.1
without defense capital goods	382,749	379,957	377,442	+0.7	+0.7	+1.1	384,717	380,048	379,632	356,387	+7.9
Durable goods industries	254,731	253,237	252,124	+0.6	+0.4	+0.7	256,049	253,082	253,603	240,081	+6.7
With unfilled orders	233,094	231,742	230,615	+0.6	+0.5	+0.7	234,334	230,888	231,088	219,878	+6.6
Stone, clay, and glass products	8,078	7,890	7,768	+2.4	+1.6	+0.6	8,309	8,091	7,985	7,674	+8.3
Primary metals	21,610	21,489	21,321	+0.6	+0.8	+1.1	21,615	21,425	21,423	19,499	+10.9
Blast furnaces, steel mills	10,261	10,178	10,078	+0.8	+1.0	+1.7	10,066	9,990	10,184	9,281	+8.5
Iron and steel foundries	1,622	1,613	1,598	+0.6	+0.9	-0.1	1,666	1,656	1,614	1,504	+10.8
Nonferrous and other primary metals	9,727	9,698	9,645	+0.3	+0.5	+0.6	9,883	9,779	9,625	8,714	+13.4
Fabricated metal products	25,388	25,154	24,718	+0.9	+1.8	+1.6	25,716	25,458	24,892	23,152	+11.1
Industrial machinery and equipment	51,614	51,289	51,371	+0.6	-0.2	+1.0	51,740	50,848	51,753	47,946	+7.9
Engines and turbines	3,710	3,941	3,810	-5.9	+3.4	0.0	3,728	3,837	3,688	3,608	+3.3
Farm and garden machinery	2,828	2,859	2,854	-1.1	+0.2	+0.6	2,757	2,992	3,122	2,390	+15.4
Construction, mining and material handling equipment	6,380	6,376	6,307	+0.1	+1.1	+1.3	6,476	6,497	6,387	5,823	+11.2
Metalworking machinery	5,953	5,916	5,858	+0.6	+1.0	+0.7	6,007	5,843	5,834	5,443	+10.4
Computer and office equipment	11,234	10,975	11,666	+2.4	-5.9	-0.2	11,088	10,422	11,549	11,683	-5.1
Electronic and other electrical equipment	43,006	42,563	42,232	+1.0	+0.8	+2.0	43,486	42,376	42,238	35,924	+21.0
Electrical transmission and distribution equipment and industrial apparatus	4,819	4,829	4,805	-0.2	+0.5	+0.3	4,872	4,817	4,769	4,348	+12.1
Household appliances	2,905	2,913	2,894	-0.3	+0.7	+1.8	3,120	3,054	3,017	2,762	+13.0
Electric lighting and wiring equipment	3,188	3,160	3,166	+0.9	-0.2	+0.5	3,236	3,173	3,152	2,976	+8.7
Household audio and video equipment	1,513	1,437	1,389	+5.3	+3.5	+2.9	1,483	1,368	1,329	1,037	+43.0
Communications equipment	13,938	13,689	13,626	+1.8	+0.5	+4.5	14,160	13,609	13,707	10,377	+36.5
Electronic components	12,968	12,901	12,848	+0.5	+0.4	+1.1	12,903	12,762	12,787	11,145	+15.8
Transportation equipment	58,416	58,635	58,333	-0.4	+0.5	-0.4	58,322	58,691	58,646	60,423	-3.5
Motor vehicles and parts	12,377	12,297	12,150	+0.7	+1.2	+0.4	12,237	12,275	12,352	11,547	+6.0
Aircraft, missiles, space vehicles, and parts	41,309	41,737	41,597	-1.0	+0.3	-1.0	41,311	41,689	41,538	44,747	-7.7
Shipbuilding and tanks	1,514	1,559	1,566	-2.9	-0.4	+2.2	1,562	1,586	1,587	1,642	-4.9
Instruments and related products	22,015	21,931	21,904	+0.4	+0.1	+0.4	22,137	21,711	21,797	21,934	+0.9
Search and navigation equipment	5,534	5,578	5,616	-0.8	-0.7	+0.9	5,550	5,468	5,609	5,717	-2.9
Measuring and controlling devices	6,982	6,878	6,834	+1.5	+0.6	+1.0	7,045	6,871	6,843	6,480	+8.7
Medical instruments and supplies	6,116	6,071	6,058	+0.7	+0.2	-0.8	6,110	5,980	5,994	6,153	-0.7
Photographic goods	2,501	2,521	2,531	-0.8	-0.4	+1.4	2,539	2,510	2,483	2,770	-8.3
All other durable goods	24,604	24,286	24,477	+1.3	-0.8	0.0	24,724	24,482	24,869	23,529	+5.1
Nondurable goods industries	149,890	148,844	147,602	+0.7	+0.8	+1.2	150,650	148,992	148,126	141,936	+6.1
With unfilled orders	36,526	35,999	35,100	+1.5	+2.6	+1.7	37,213	36,214	35,045	33,738	+10.3
Food and kindred products	31,047	31,284	31,287	-0.8	0.0	+0.4	30,174	30,850	31,302	29,682	+1.7
Meat products	3,459	3,489	3,483	-0.9	+0.2	+0.8	3,528	3,553	3,506	3,441	+2.5
Dairy products	2,795	2,800	2,795	-0.2	+0.2	+0.3	2,854	2,741	2,694	2,768	+3.1
Beverages	5,308	5,325	5,309	-0.3	+0.3	+0.9	5,335	5,367	5,307	5,337	0.0
All other foods, except fats and oils	17,985	18,124	18,056	-0.8	+0.4	+0.1	16,888	17,549	18,071	16,184	+4.3
Tobacco products	5,416	5,490	5,688	-1.3	-3.5	-0.1	5,411	5,566	6,059	6,021	-10.1
Textile mill products	10,076	10,018	9,900	+0.6	+1.2	+0.6	10,380	10,106	10,050	9,924	+4.6
Broadwoven fabrics and other textiles	5,598	5,580	5,526	+0.3	+1.0	+0.6	5,760	5,631	5,633	5,556	+3.7
Paper and allied products	14,748	14,454	14,132	+2.0	+2.3	+1.9	15,128	14,691	14,302	13,739	+10.1
Pulp, paper, and paperboard mill products	5,653	5,566	5,492	+1.6	+1.3	+0.9	5,806	5,660	5,567	5,926	-2.0
Paperboard containers and boxes	4,063	3,903	3,780	+4.1	+3.3	+4.0	4,144	3,973	3,872	3,214	+28.9
Miscellaneous converted paper products	5,032	4,985	4,860	+0.9	+2.6	+1.4	5,178	5,058	4,863	4,599	+12.6
Chemicals and allied products	35,164	34,689	34,631	+1.4	+0.2	+0.7	35,594	35,063	35,144	34,386	+3.5
Industrial chemicals	17,371	17,000	17,029	+2.2	-0.2	+0.9	17,440	17,106	17,359	16,076	+8.5
Drugs, soaps, and toiletries	13,040	13,031	13,057	+0.1	-0.2	+0.6	13,131	12,903	12,877	13,705	-4.2
Petroleum and coal products	11,198	11,090	11,057	+1.0	+0.3	+1.4	11,169	10,839	10,726	10,126	+10.3
Rubber and plastics products	14,123	13,863	13,751	+1.9	+0.8	+3.2	14,372	14,105	14,048	12,516	+14.8
All other nondurable goods	28,118	27,956	27,156	+0.6	+2.9	+1.9	28,422	27,772	26,495	25,542	+11.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	295,637	298,437	298,556	-0.9	0.0	+0.3	292,695	313,519	295,576	272,953	+7.2	1,170,147	1,070,651
Market categories :													
Automotive equipment	13,871	14,698	14,807	-5.6	-0.7	+0.1	14,794	15,940	15,878	14,722	+0.5	60,106	56,603
Home goods and apparel	19,469	19,722	19,565	-1.3	+0.8	-1.1	18,159	20,391	19,446	17,759	+2.3	75,135	71,092
Consumer staples	60,898	60,061	60,457	+1.4	-0.7	0.0	58,965	60,398	58,358	56,146	+5.0	233,090	224,083
Machinery and equipment	53,242	53,737	53,715	-0.9	0.0	+2.1	52,057	59,676	52,923	47,402	+9.8	209,455	188,282
Business supplies	22,209	22,030	22,047	+0.8	-0.1	-0.6	22,612	22,373	21,652	21,119	+7.1	87,034	79,919
Construction materials and supplies	18,134	18,555	19,177	-2.3	-3.2	+0.4	18,154	18,905	18,256	17,839	+1.8	71,934	67,482
Defense products	7,084	7,155	7,182	-1.0	-0.4	-2.0	6,663	7,546	6,939	6,936	-3.9	27,281	28,003
Other materials, supplies and and intermediate products	100,730	102,479	101,606	-1.7	+0.9	+0.1	101,291	108,290	102,124	91,030	+11.3	406,112	355,187
Durable goods industries :													
Nondefense capital goods [3]	41,418	41,403	40,954	0.0	+1.1	+2.7	39,068	46,926	39,274	34,101	+14.6	158,284	138,464
Excluding aircraft and parts	36,044	36,355	35,759	-0.9	+1.7	+2.5	33,804	41,263	34,268	29,650	+14.0	138,469	119,359
Defense capital goods [4]	6,567	6,643	6,642	-1.1	0.0	-1.9	6,085	7,010	6,358	6,471	-6.0	24,995	26,331
Durables excluding capital goods	110,274	113,525	113,610	-2.9	-0.1	-0.7	111,949	120,266	115,344	106,663	+5.0	451,688	413,990
Miscellaneous series :													
Producers' durable equipment	101,153	103,355	103,221	-2.1	+0.1	+0.7	100,306	113,667	103,803	95,067	+5.5	408,005	376,255
Household durable goods	8,272	8,378	8,281	-1.3	+1.2	-2.5	7,879	8,935	8,045	7,701	+2.3	32,187	30,249
Information technology industries	19,660	20,027	19,396	-1.8	+3.3	+2.4	17,382	23,042	17,746	15,441	+12.6	73,517	64,109
Health care equipment and products	8,611	8,681	8,735	-0.8	-0.6	+0.8	8,213	9,104	8,484	8,147	+0.8	34,066	33,026
NEW ORDERS													
All manufacturing industries	293,957	299,625	300,804	-1.9	-0.4	-0.3	292,376	316,242	299,933	274,600	+6.5	1,186,223	1,084,194
Market categories :													
Automotive equipment	13,864	14,694	14,802	-5.6	-0.7	+0.1	14,776	15,912	15,890	14,742	+0.2	60,131	56,713
Home goods and apparel	19,354	19,597	19,529	-1.2	+0.3	-2.5	18,432	20,500	19,670	18,117	+1.7	77,104	73,250
Consumer staples	60,910	60,061	60,477	+1.4	-0.7	0.0	58,978	60,379	58,348	56,160	+5.0	233,077	224,028
Machinery and equipment	52,305	54,813	54,650	-4.6	+0.3	+1.0	51,429	60,217	54,310	47,341	+8.6	213,304	190,350
Business supplies	22,359	22,067	22,075	+1.3	0.0	-1.2	22,795	22,486	21,765	21,108	+8.0	87,589	80,211
Construction materials and supplies	18,051	18,389	19,113	-1.8	-3.8	-1.9	18,114	18,834	18,529	18,022	+0.5	72,625	68,501
Defense products	5,971	7,850	7,378	-23.9	+6.4	+7.7	4,973	9,618	6,541	5,229	-4.9	27,003	25,398
Other materials, supplies and and intermediate products	101,143	102,154	102,780	-1.0	-0.6	-0.8	102,879	108,296	104,880	93,881	+9.6	415,390	365,743
Durable goods industries :													
Nondefense capital goods [3]	40,255	42,628	42,055	-5.6	+1.4	+0.6	37,977	47,228	40,682	34,118	+11.3	161,838	141,158
Excluding aircraft and parts	36,218	38,240	36,855	-5.3	+3.8	-1.5	34,050	42,225	35,671	31,373	+8.5	144,608	125,535
Defense capital goods [4]	5,334	7,159	6,865	-25.5	+4.3	+11.2	4,379	8,934	6,063	5,184	-15.5	24,613	23,587
Durables excluding capital goods	110,889	113,255	114,418	-2.1	-1.0	-1.8	113,940	120,335	118,105	108,885	+4.6	462,360	424,220
Miscellaneous series :													
Producers' durable equipment	100,185	104,398	104,767	-4.0	-0.4	+0.2	99,680	113,962	105,942	95,599	+4.3	414,084	381,666
Household durable goods	7,972	8,399	8,186	-5.1	+2.6	-1.7	7,838	9,067	7,962	7,851	-0.2	32,854	31,243
Information technology industries	19,942	20,604	20,023	-3.2	+2.9	+0.6	17,899	23,392	18,609	16,002	+11.9	76,073	65,408
Health care equipment and products	8,559	8,330	8,707	+2.7	-4.3	+0.2	8,161	8,753	8,456	7,972	+2.4	33,660	32,662

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and er and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94
UNFILLED ORDERS											
All manufacturing industries	462,528	464,208	463,020	-0.4	+0.3	+0.5	467,844	468,163	465,440	451,901	+3.5
arket categories :											
Automotive equipment	2,151	2,158	2,163	-0.3	-0.2	-0.2	2,172	2,190	2,218	2,012	+8.0
Home goods and apparel	9,854	9,969	10,094	-1.2	-1.2	-0.4	10,297	10,024	9,915	10,820	-4.8
Consumer staples	1,649	1,637	1,638	+0.7	-0.1	+1.3	1,619	1,606	1,624	1,421	+13.9
Machinery and equipment	184,130	185,066	183,990	-0.5	+0.6	+0.5	184,681	185,309	184,769	182,292	+1.3
Business supplies	6,264	6,114	6,077	+2.5	+0.6	+0.5	6,363	6,180	6,068	5,659	+12.4
Construction materials and supplies	15,954	16,037	16,204	-0.5	-1.0	-0.4	16,131	16,170	16,242	14,894	+8.3
Defense products	105,711	106,824	106,128	-1.0	+0.7	+0.2	106,959	108,649	106,577	108,304	-1.2
Other materials, supplies and and intermediate products	136,815	136,403	136,726	+0.3	-0.2	+0.9	139,622	138,035	138,027	126,499	+10.4
rable goods industries :											
Nondefense capital goods [3]	203,342	204,505	203,280	-0.6	+0.6	+0.5	203,470	204,561	204,259	200,031	+1.7
Excluding aircraft and parts	97,018	96,844	94,959	+0.2	+2.0	+1.2	97,146	96,900	95,938	81,834	+18.7
Defense capital goods [4]	111,387	112,620	112,104	-1.1	+0.5	+0.2	112,723	114,429	112,505	114,394	-1.5
Durables excluding capital goods	121,826	121,211	121,481	+0.5	-0.2	+0.7	125,099	123,108	123,039	113,382	+10.3
scellaneous series :											
Producers' durable equipment	219,153	220,121	219,078	-0.4	+0.5	+0.7	219,793	220,419	220,124	211,554	+3.9
Household durable goods	5,592	5,892	5,871	-5.1	+0.4	-1.6	5,864	5,905	5,773	5,829	+0.6
nformation technology industries	39,782	39,500	38,923	+0.7	+1.5	+1.6	39,485	38,968	38,618	33,385	+18.3
Health care equipment and products	5,917	5,969	6,321	-0.9	-5.6	-0.4	5,916	5,968	6,319	7,123	-16.9
TOTAL INVENTORIES											
ll manufacturing industries	404,621	402,081	399,726	+0.6	+0.6	+0.9	406,699	402,074	401,729	382,017	+6.5
rket categories :											
Automotive equipment	6,621	6,549	6,437	+1.1	+1.7	+0.8	6,621	6,669	6,677	5,992	+10.5
Home goods and apparel	33,597	33,344	32,983	+0.8	+1.1	+1.3	34,097	33,229	32,796	31,177	+9.4
Consumer staples	58,784	58,884	58,913	-0.2	0.0	+0.7	58,088	58,233	58,792	57,221	+1.5
Machinery and equipment	98,234	97,859	97,619	+0.4	+0.2	+1.2	98,690	97,436	98,236	90,595	+8.9
Business supplies	23,247	22,956	22,439	+1.3	+2.3	+1.4	23,605	23,101	22,401	21,218	+11.2
Construction materials and supplies	26,011	25,704	25,458	+1.2	+1.0	+0.4	26,397	26,128	25,815	24,587	+7.4
Defense products	21,139	21,415	21,553	-1.3	-0.6	-1.5	21,259	21,354	21,392	24,580	-13.5
Other materials, supplies and and intermediate products	136,988	135,370	134,324	+1.2	+0.8	+1.1	137,942	135,924	135,620	126,647	+8.9
able goods industries :											
Nondefense capital goods [3]	93,073	92,657	92,461	+0.4	+0.2	+1.3	93,541	91,963	92,734	85,527	+9.4
Excluding aircraft and parts	67,120	66,445	66,545	+1.0	-0.2	+1.8	67,652	65,762	66,654	59,642	+13.4
Defense capital goods [4]	21,872	22,124	22,284	-1.1	-0.7	-1.4	21,982	22,026	22,097	25,630	-14.2
Durables excluding capital goods	139,786	138,456	137,379	+1.0	+0.8	+0.8	140,526	139,093	138,772	128,924	+9.0
cellaneous series :											
roducers' durable equipment	158,642	157,569	156,900	+0.7	+0.4	+1.1	159,479	157,122	157,823	145,692	+9.5
Household durable goods	14,857	14,614	14,620	+1.7	0.0	+1.1	15,014	14,562	14,706	13,673	+9.8
nformation technology industries	35,308	34,699	35,313	+1.8	-1.7	+1.8	35,471	34,021	35,225	32,064	+10.6
Health care equipment and products	13,223	13,172	13,172	+0.4	0.0	0.0	13,268	13,014	13,014	13,596	-2.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Apr. 1994	Apr. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	133,079	131,882	130,801	+0.9	+0.8	+1.3	132,666	131,163	131,170	120,787	+9.8
Durable goods industries	77,478	76,627	76,486	+1.1	+0.2	+1.3	76,755	75,656	76,688	68,899	+11.4
Stone, clay, and glass products	2,753	2,699	2,663	+2.0	+1.4	+0.9	2,728	2,693	2,675	2,537	+7.5
Primary metals	6,726	6,751	6,827	-0.4	-1.1	+2.7	6,546	6,545	6,739	5,763	+13.6
Fabricated metal products	8,990	8,749	8,606	+2.8	+1.7	+1.1	8,861	8,712	8,625	7,643	+15.9
Industrial machinery and equipment	17,496	17,372	17,312	+0.7	+0.3	+3.3	17,399	17,008	17,480	14,892	+16.8
Electronic and other electrical equipment	14,564	14,284	14,036	+2.0	+1.8	+1.9	14,615	14,224	14,044	11,451	+27.6
Transportation equipment	10,311	10,311	10,468	0.0	-1.5	-2.1	10,325	10,267	10,476	10,975	-5.9
Instruments and related products	6,869	6,807	6,788	+0.9	+0.3	+0.9	6,887	6,767	6,756	6,720	+2.5
Lumber, furniture and miscellaneous durable goods	9,769	9,654	9,786	+1.2	-1.3	+0.2	9,394	9,440	9,893	8,918	+5.3
Nondurable goods industries	55,601	55,255	54,315	+0.6	+1.7	+1.4	55,911	55,507	54,482	51,888	+7.8
Food and kindred products	9,947	10,122	10,173	-1.7	-0.5	+1.0	9,958	10,232	10,253	9,977	-0.2
Tobacco products	4,716	4,664	4,715	+1.1	-1.1	+0.5	4,752	4,783	4,992	5,160	-7.9
Textile mill products	2,968	2,912	2,883	+1.9	+1.0	-0.6	3,021	2,935	2,904	2,792	+8.2
Paper and allied products	7,619	7,447	7,285	+2.3	+2.2	+2.7	7,687	7,556	7,349	6,655	+15.5
Chemicals and allied products	11,571	11,557	11,429	+0.1	+1.1	+0.3	11,593	11,510	11,423	11,248	+3.1
Petroleum and coal products	3,437	3,471	3,012	-1.0	+15.2	+0.4	3,489	3,415	2,887	2,984	+16.9
Rubber and plastics products	5,364	5,269	5,273	+1.8	-0.1	+3.6	5,409	5,289	5,287	4,546	+19.0
Apparel, printing and publishing and leather goods	9,979	9,813	9,545	+1.7	+2.8	+2.5	10,002	9,787	9,387	8,526	+17.3
WORK IN PROCESS											
All manufacturing industries	131,616	131,086	131,338	+0.4	-0.2	+0.4	131,682	131,041	131,253	128,335	+2.6
Durable goods industries	107,366	106,903	107,115	+0.4	-0.2	+0.3	107,395	106,877	107,199	105,016	+2.3
Stone, clay, and glass products	1,238	1,229	1,203	+0.7	+2.2	+2.4	1,318	1,303	1,250	1,117	+18.0
Primary metals	7,991	7,927	7,754	+0.8	+2.2	+0.3	8,016	8,018	7,787	7,268	+10.3
Fabricated metal products	7,978	7,946	7,795	+0.4	+1.9	+1.0	7,992	8,033	7,850	7,337	+8.9
Industrial machinery and equipment	19,279	19,008	19,342	+1.4	-1.7	-0.9	19,154	18,781	19,047	18,780	+2.0
Electronic and other electrical equipment	16,636	16,654	16,791	-0.1	-0.8	+2.3	16,728	16,634	16,851	14,691	+13.9
Transportation equipment	39,728	39,685	39,732	+0.1	-0.1	0.0	39,583	39,796	39,884	41,525	-4.7
Instruments and related products	9,390	9,367	9,440	+0.2	-0.8	+1.1	9,415	9,209	9,443	9,257	+1.7
Lumber, furniture and miscellaneous durable goods	5,126	5,087	5,058	+0.8	+0.6	-1.5	5,189	5,103	5,087	5,041	+2.9
Nondurable goods industries	24,250	24,183	24,223	+0.3	-0.2	+0.9	24,287	24,164	24,054	23,319	+4.2
Food and kindred products	4,098	4,059	3,949	+1.0	+2.8	-1.9	3,926	4,050	3,921	3,886	+1.0
Tobacco products	166	169	181	-1.8	-6.6	+2.3	137	153	191	157	-12.7
Textile mill products	2,667	2,649	2,608	+0.7	+1.6	+0.8	2,698	2,662	2,630	2,585	+4.4
Paper and allied products	1,360	1,322	1,287	+2.9	+2.7	+0.9	1,389	1,332	1,283	1,206	+15.2
Chemicals and allied products	5,360	5,393	5,346	-0.6	+0.9	-0.4	5,386	5,371	5,338	5,489	-1.9
Petroleum and coal products	2,218	2,256	2,516	-1.7	-10.3	+3.1	2,236	2,229	2,439	2,262	-1.1
Rubber and plastics products	2,056	2,045	2,021	+0.5	+1.2	+3.4	2,051	2,026	2,061	1,768	+16.0
Apparel, printing and publishing and leather goods	6,325	6,290	6,315	+0.6	-0.4	+2.0	6,464	6,341	6,191	5,966	+8.3
FINISHED GOODS											
All manufacturing industries	139,926	139,113	137,587	+0.6	+1.1	+1.0	142,351	139,870	139,306	132,895	+7.1
Durable goods industries	69,887	69,707	68,523	+0.3	+1.7	+0.8	71,899	70,549	69,716	66,166	+8.7
Stone, clay, and glass products	4,087	3,962	3,902	+3.2	+1.5	-0.1	4,263	4,095	4,060	4,020	+6.0
Primary metals	6,893	6,811	6,740	+1.2	+1.1	+0.4	7,053	6,862	6,897	6,468	+9.0
Fabricated metal products	8,420	8,459	8,317	-0.5	+1.7	+2.7	8,863	8,713	8,417	8,172	+8.5
Industrial machinery and equipment	14,839	14,909	14,717	-0.5	+1.3	+1.2	15,187	15,059	15,226	14,274	+6.4
Electronic and other electrical equipment	11,806	11,625	11,405	+1.6	+1.9	+1.5	12,143	11,518	11,343	9,782	+24.1
Transportation equipment	8,377	8,639	8,133	-3.0	+6.2	-0.1	8,414	8,628	8,286	7,923	+6.2
Instruments and related products	5,756	5,757	5,676	0.0	+1.4	-1.3	5,835	5,735	5,598	5,957	-2.0
Lumber, furniture and miscellaneous durable goods	9,709	9,545	9,633	+1.7	-0.9	+0.6	10,141	9,939	9,889	9,570	+6.0
Nondurable goods industries	70,039	69,406	69,064	+0.9	+0.5	+1.1	70,452	69,321	69,590	66,729	+5.0
Food and kindred products	17,002	17,103	17,165	-0.6	-0.4	+0.6	16,290	16,568	17,128	15,819	+3.0
Tobacco products	534	657	792	-18.7	-17.0	-3.8	522	630	876	704	-25.9
Textile mill products	4,441	4,457	4,409	-0.4	+1.1	+1.2	4,661	4,509	4,516	4,547	+2.5
Paper and allied products	5,769	5,685	5,560	+1.5	+2.2	+1.0	6,052	5,803	5,670	5,878	+3.0
Chemicals and allied products	18,233	17,739	17,856	+2.8	-0.7	+1.2	18,615	18,182	18,383	17,649	+5.5
Petroleum and coal products	5,543	5,363	5,529	+3.4	-3.0	+1.2	5,444	5,195	5,400	4,880	+11.6
Rubber and plastics products	6,703	6,549	6,457	+2.4	+1.4	+2.8	6,912	6,790	6,700	6,202	+11.4
Apparel, printing and publishing and leather goods	11,814	11,853	11,296	-0.3	+4.9	+1.4	11,956	11,644	10,917	11,050	+8.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Jan. 1995	Apr. 1995[p]	Mar. 1995[r]	Feb. 1995	Jan. 1995
All manufacturing industries	1.37	1.35	1.34	1.33	2.86	2.85	2.86	2.85
Durable goods industries	1.61	1.57	1.56	1.55	3.44	3.41	3.42	3.41
Stone, clay, and glass products	1.22	1.12	1.08	1.07	1.24	1.20	1.20	1.23
Primary metals	1.44	1.40	1.41	1.38	1.96	1.92	1.95	1.93
Fabricated metal products	1.62	1.60	1.56	1.50	1.47	1.47	1.44	1.40
Industrial machinery and equipment	1.71	1.69	1.70	1.74	2.54	2.52	2.49	2.53
Electronic and other electrical equipment	1.73	1.69	1.72	1.68	2.07	2.00	2.00	1.98
Transportation equipment	1.53	1.47	1.45	1.46	10.87	10.83	10.83	10.75
Instruments and related products	1.94	1.89	1.88	1.90	4.14	4.07	4.11	4.16
Nondurable goods industries	1.09	1.09	1.07	1.07	0.75	0.75	0.76	0.76
Food and kindred products	0.86	0.87	0.87	0.85	(X)	(X)	(X)	(X)
Tobacco products	1.81	1.93	1.87	1.87	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.56	1.55	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.08	1.07	1.06	1.06	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.17	1.14	1.13	1.13	(X)	(X)	(X)	(X)
Petroleum and coal products	0.82	0.85	0.83	0.86	(X)	(X)	(X)	(X)
Rubber and plastics products	1.41	1.37	1.36	1.32	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr.[1] 1995	Apr.[2] 1990-1994	Apr. 1994-Mar. 1995	Apr.[1] 1995	Apr.[2] 1990-1994	Apr. 1994-Mar. 1995	Apr.[1] 1995	Apr.[2] 1990-1994	Apr. 1994-Mar. 1995	Apr.[1] 1995	Apr.[2] 1990-1994	Apr. 1994-Mar. 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.0	0.1	(X)	0.0	0.0
urable goods industries	0.1	0.2	0.2	0.0	0.3	0.2	0.0	0.0	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	1.1	0.7	(X)	1.9	1.2	(X)	0.9	0.6	(X)	0.2	0.2
Primary metals	0.2	0.3	0.4	0.2	1.4	0.8	0.1	0.3	0.3	(X)	0.2	0.2
Fabricated metal products	(X)	0.4	0.4	(X)	0.4	0.6	(X)	0.2	0.3	(X)	0.1	0.2
ndustrial machinery and equipment	-0.2	0.6	0.5	-0.1	0.8	0.7	0.1	0.1	0.2	(X)	0.0	0.1
Electronic and other electrical equipment	0.2	0.3	0.3	0.1	0.6	0.6	0.0	0.1	0.3	(X)	0.1	0.1
Transportation equipment	0.0	0.3	0.6	0.0	0.4	0.9	0.0	0.0	0.1	(X)	0.1	0.2
nstruments and related products	(X)	0.2	0.5	(X)	0.6	0.8	(X)	0.1	0.1	(X)	0.0	0.1
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.4	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0
Textile mill products	(X)	0.8	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products	(X)	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
pital goods industries :												
Nondefense	-0.3	0.4	0.4	-0.4	0 6	0.8	0.0	0.0	0.1	(X)	0.1	0.1
Defense	-0.2	0.5	0.4	-0.9	3.0	2.7	-0.1	0.1	0.1	(X)	0.1	0.3

(X) Not applicable. (NA) Not available.

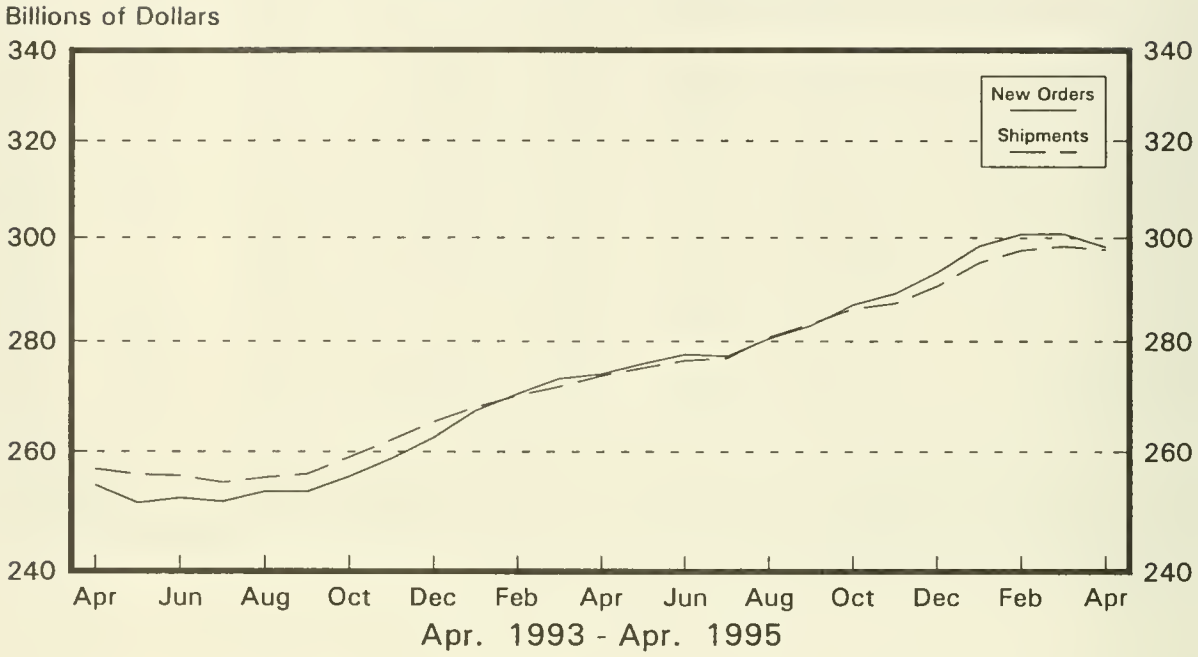
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

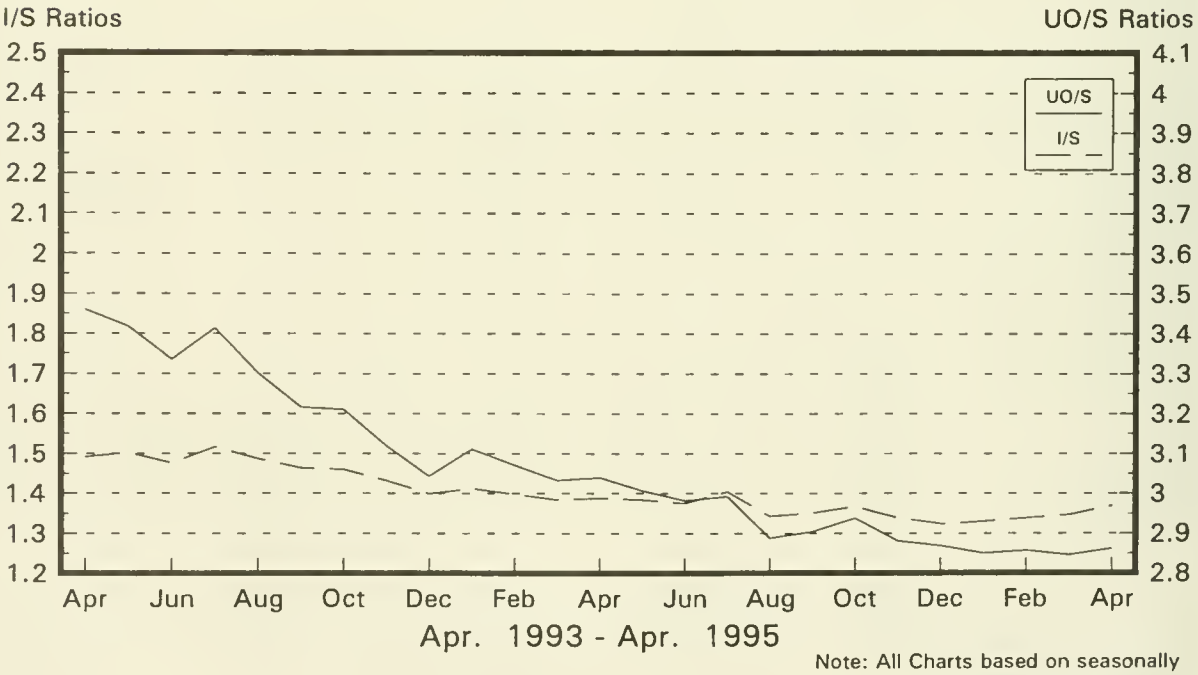
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

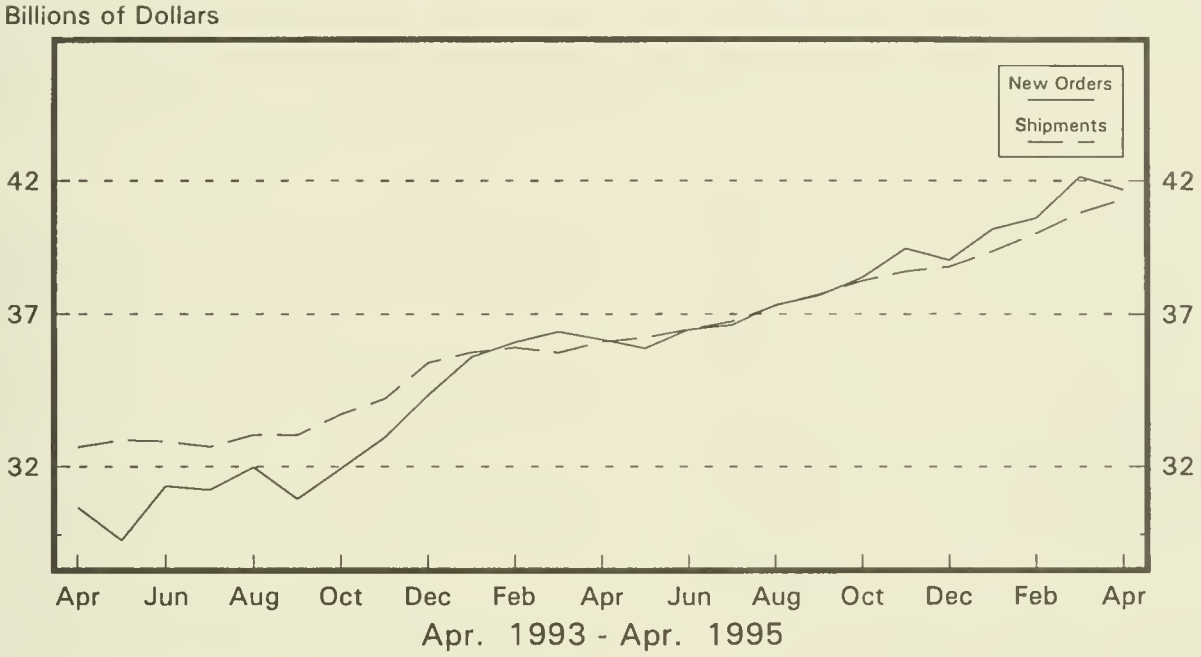
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

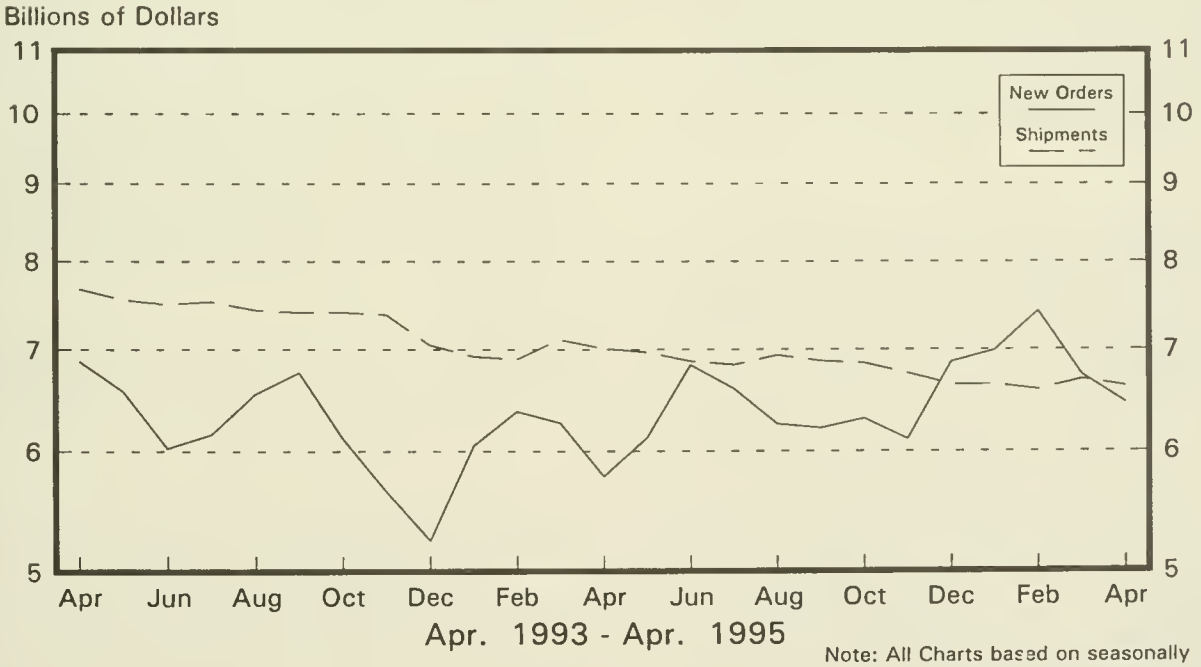
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

May 1995
M3-1-(95)-5
For Wire Transmissions 10:00 a.m. E.D.T. June 30, 1995

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May increased $4.0 billion or 1.4 percent to $297.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.2 percent April decrease, and is the first increase since January. Year to date, new orders are 8.8 percent above the same period a year ago.

Shipments increased $1.6 billion or 0.5 percent to $296.9 billion. This follows a 1.1 percent April decline, is the first increase since February and the fifth increase in the last seven months. Year to date shipments are 8.9 percent above the same period a year ago.

Unfilled orders increased $0.1 billion to $462.1 billion, following a 0.5 percent April decrease. This is the eighth increase in the last nine months. The unfilled orders-to-shipments ratio was 2.82, down from 2.86 in April.

Inventories increased $2.6 billion or 0.6 percent to $408.2 billion, following a 0.9 percent April increase. This is the eighth consecutive monthly increase and the fifteenth in the last seventeen months. The inventories-to-shipments ratio was 1.37, unchanged from April.

New Orders

New orders for manufactured durable goods in May increased $4.2 billion or 2.7 percent to $159.7 billion, revised from the previously published 2.5 percent increase. This follows a 4.6 percent April decline and is the first increase since January.

Industrial machinery and equipment, up four of the last five months, increased $1.1 billion or 3.5 percent to $31.3 billion. This follows a 4.8 percent April decline. Transportation equipment increased $1.0 billion or 2.9 percent to $36.5 billion, due to aircraft and aircraft parts. This follows a 10.2 percent April decrease and is the first increase since February. Electronic and other electrical equipment increased $1.0 billion or 3.7 percent to $26.7 billion, with over half of the increase in communication equipment. This follows a 3.2 percent April decrease and is the eighth increase in the last ten months. Stone, clay, and glass products increased $0.5 billion or 8.1 percent to $6.9 billion. This follows a 6.9 percent April decline and is the first increase since January. Primary metals increased 0.3 percent to $14.7 billion. This follows a 3.7 percent April decline and is the first increase since December.

New orders for nondurable goods decreased $0.2 billion or 0.1 percent to $137.3 billion. This follows a 0.7 percent April increase and is the third decline in the last nineteen months. Declines in food and kindred products and textile mill products more than offset increases in paper and allied products and chemicals and allied products.

Shipments

Shipments of durable goods in May increased $1.6 billion or 1.0 percent to $159.5 billion, revised from the previously published 0.9 percent increase. This follows a 2.2 percent April decline and is the sixth increase in the last seven months. Industrial machinery and equipment, up five of the last six months, increased $0.6 billion or 2.1 percent to $30.8 billion, following a 0.6 percent April decrease. Electronic and other electrical equipment increased $0.6 billion or 2.4 percent to $25.4 billion, following a 1.1 percent April decrease. Stone, clay, and glass products increased $0.4 billion or 6.2 percent to $7.0 billion, following a 6.0 percent April decline. Instruments and related products increased $0.3 billion or 2.6 percent to $11.6 billion, following a 2.8 percent April decline. Primary metals increased $0.3 billion or 1.7 percent to $15.2 billion. This follows a 2.5 percent April decrease and is the fourteenth increase in the last sixteen months. Transportation equipment, down for the fourth consecutive month, declined $0.8 billion or 2.0 percent to $37.4 billion; both motor vehicles and parts and aircraft and parts declined.

Shipments of nondurable goods in May increased slightly to $137.4 billion, following a 0.3 percent April increase. The largest increases were for chemicals and allied products, $0.2 billion or 0.8 percent to $30.2 billion and paper and allied products, $0.2 billion or 1.8 percent to $13.9 billion. Food and kindred products, down four of the last five months, had the largest decline, $0.5 billion or 1.4 percent to $35.8 billion.

Unfilled Orders

Unfilled orders for durable goods in May increased slightly to $436.1 billion. This follows a 0.6 percent April decrease and is the eighth increase in the last nine months. Electronic and other electrical equipment increased $1.2 billion or 2.4 percent to $52.5 billion, the ninth consecutive monthly increase. Industrial machinery and equipment increased $0.5 billion or 0.7 percent to $72.3 billion. This follows a 0.1 percent April increase and is the twenty-second increase in the last twenty-three months. Fabricated metal products, up for the seventh consecutive month, increased $0.3 billion or 1.2 percent to $21.4 billion. Transportation equipment had the largest decline, $0.9 billion or 0.5 percent to $199.0 billion. This follows a 1.3 percent April decline and is the third consecutive decline. Since reaching a peak in March 1991, unfilled orders of transportation equipment have declined nearly every month. Instruments and related products, down for the third consecutive month, declined $0.6 billion or 1.3 percent to $46.4 billion. Primary metals declined $0.5 billion or 1.8 percent to $28.6 billion. This follows declines in April and March of 1.0 percent and 0.4 percent respectively and fifteen consecutive increases.

Inventories

Inventories for durable goods in May increased $1.5 billion or 0.6 percent to $256.8 billion, with increases in nearly all categories. This is the fifteenth increase in the last seventeen months. Industrial machinery and equipment increased $0.6 billion or 1.1 percent to $52.3 billion, the fourth increase in the last five months. Transportation equipment was up $0.5 billion or 0.8 percent to $59.3 billion, the third consecutive increase. Electronic and other electrical equipment increased $0.2 billion or 0.6 percent to $43.2 billion. This follows a 1.0 percent April increase and is the seventeenth consecutive increase. Instruments and related products declined $0.1 billion or 0.7 percent to $21.8 billion, the first decline since January.

Inventories for nondurable goods in May increased $1.1 billion or 0.7 percent to $151.4 billion, the eighth consecutive monthly increase. Chemicals and allied products had the largest increase, $0.4 billion or 1.2 percent to $35.7 billion. Printing and publishing and paper and allied products also had large increases.

By stage of fabrication, finished goods increased 0.5 percent in both durables and nondurables. Work in process increased 0.6 percent in durables and 0.9 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 0.9 percent in nondurables.

The advance report on durable goods for June is scheduled for July 27, 1995 at 8:30 a.m. and the full report on August 3, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1995[p]	Apr 1995[r]	Mar 1995	Apr - May	Mar - Apr	Feb - Mar	May 1995[p]	Apr 1995[r]	Mar 1995	May 1994	May 95/94	1995[p]	1994
All manufacturing industries	296,917	295,293	298,437	+0.5	-1.1	0.0	298,016	292,233	313,519	278,948	+6.8	1,467,701	1,349,599
Manufacturing Industries													
with unfilled orders	163,581	161,347	163,087	+1.4	-1.1	+0.6	161,686	157,515	173,633	148,101	+9.2	796,385	719,443
without defense capital goods	290,300	288,759	291,794	+0.5	-1.0	0.0	291,743	286,170	306,509	272,372	+7.1	1,436,455	1,316,692
Durable goods industries	159,546	157,970	161,571	+1.0	-2.2	+0.2	161,049	156,874	174,202	151,188	+6.5	795,788	729,973
With unfilled orders	128,665	126,646	128,552	+1.6	-1.5	+0.5	127,387	123,301	138,707	117,237	+8.7	627,472	569,474
Stone, clay, and glass products	7,033	6,621	7,045	+6.2	-6.0	-2.3	7,127	6,831	6,951	6,708	+6.2	33,633	31,219
Primary metals	15,176	14,923	15,305	+1.7	-2.5	+1.0	15,509	15,205	16,123	12,989	+19.4	76,796	61,927
Blast furnaces, steel mills	6,377	6,271	6,538	+1.7	-4.1	+1.1	6,543	6,375	6,918	5,841	+12.0	32,520	28,225
Iron and steel foundries	1,322	1,264	1,329	+4.6	-4.9	-0.4	1,384	1,330	1,419	1,236	+12.0	6,805	5,959
Nonferrous and other primary metals	7,477	7,388	7,438	+1.2	-0.7	+1.2	7,582	7,500	7,786	5,912	+28.2	37,471	27,743
Fabricated metal products	15,783	15,687	15,695	+0.6	-0.1	-1.0	16,071	15,637	16,547	15,388	+4.4	78,852	74,505
Industrial machinery and equipment	30,825	30,182	30,351	+2.1	-0.6	+0.7	30,229	29,119	35,220	26,766	+12.9	148,597	130,247
Engines and turbines	2,040	2,019	1,799	+1.0	+12.2	-11.1	1,928	1,865	1,999	1,761	+9.5	9,242	8,319
Farm and garden machinery	1,719	1,828	1,890	-6.0	-3.3	-0.7	2,068	2,469	2,524	2,208	-6.3	10,973	10,304
Construction, mining and material handling equipment	3,146	3,090	3,112	+1.8	-0.7	-1.8	3,262	3,192	3,435	2,776	+17.5	16,054	13,448
Metalworking machinery	3,272	3,370	3,297	-2.9	+2.2	-1.1	3,229	3,162	3,539	2,924	+10.4	15,889	13,348
Computer and office equipment	8,821	8,213	8,494	+7.4	-3.3	+6.3	7,683	6,541	10,641	6,162	+24.7	37,554	32,442
Electronic and other electrical equipment	25,446	24,855	25,138	+2.4	-1.1	+2.6	24,868	23,594	26,568	21,862	+13.7	120,523	105,28-
Electrical transmission and distribution equipment and industrial apparatus	2,793	2,745	2,900	+1.7	-5.3	+2.8	2,790	2,733	3,202	2,584	+8.0	14,091	12,848
Household appliances	1,872	1,828	1,864	+2.4	-1.9	-1.0	1,900	1,837	2,009	1,920	-1.0	9,178	9,01
Electric lighting and wiring equipment	1,929	1,925	1,954	+0.2	-1.5	+0.3	1,914	1,841	2,076	1,761	+8.7	9,566	8,61
Household audio and video equipment	1,151	1,124	1,119	+2.4	+0.4	-1.0	946	898	1,057	873	+8.4	4,850	4,31
Communications equipment	5,976	5,900	5,853	+1.3	+0.8	+2.7	5,652	5,471	6,328	4,620	+22.3	27,436	22,18
Electronic components	9,463	9,100	9,319	+4.0	-2.4	+4.9	9,501	8,805	9,798	7,939	+19.7	45,231	37,76
Transportation equipment	37,362	38,122	39,926	-2.0	-4.5	-0.6	39,527	39,707	43,438	40,352	-2.0	200,721	196,48
Motor vehicles and parts	26,003	26,488	28,445	-1.8	-6.9	-0.8	28,589	28,230	30,988	29,896	-4.4	145,361	142,17
Aircraft, missiles, space vehicles, and parts	8,306	8,774	8,455	-5.3	+3.8	-2.7	7,799	8,443	9,183	7,624	+2.3	40,535	41,02
Shipbuilding and tanks	851	822	898	+3.5	-8.5	+9.5	859	793	942	1,117	-23.1	4,178	4,80
Instruments and related products	11,566	11,277	11,600	+2.6	-2.8	-0.2	11,486	10,685	12,341	10,902	+5.4	55,844	52,63
Search and navigation equipment	2,530	2,612	2,655	-3.1	-1.6	+1.6	2,477	2,380	2,841	2,466	+0.4	12,428	11,80
Measuring and controlling devices	3,602	3,404	3,690	+5.8	-7.8	+3.2	3,598	3,274	4,074	3,154	+14.1	17,600	15,54
Medical instruments and supplies	3,155	2,989	3,095	+5.6	-3.4	-0.8	3,086	2,866	3,293	2,888	+6.9	15,178	14,44
Photographic goods	1,869	1,863	1,767	+0.3	+5.4	-8.2	1,901	1,753	1,728	2,009	-5.4	8,668	9,07
All other durable goods	16,355	16,303	16,511	+0.3	-1.3	-0.3	16,232	16,096	17,014	16,221	+0.1	80,822	77,66
Nondurable goods industries	137,371	137,323	136,866	0.0	+0.3	-0.4	136,967	135,359	139,317	127,760	+7.2	671,913	619,62
With unfilled orders	34,916	34,701	34,535	+0.6	+0.5	+0.9	34,299	34,214	34,926	30,864	+11.1	168,913	149,96
Food and kindred products	35,767	36,284	36,010	-1.4	+0.8	-0.4	35,762	35,034	36,681	35,282	+1.4	176,144	172,88
Meat products	8,031	8,373	8,045	-4.1	+4.1	-1.3	8,200	8,163	7,983	8,143	+0.7	39,867	39,36
Dairy products	4,614	4,658	4,733	-0.9	-1.6	-1.2	4,688	4,593	4,803	4,704	-0.3	23,262	22,8-
Beverages	5,314	5,349	5,339	-0.7	+0.2	+1.1	5,787	5,296	5,311	5,664	+2.2	25,619	24,88
All other foods, except fats and oils	16,028	16,030	15,793	0.0	+1.5	-1.1	15,307	15,108	16,484	14,979	+2.2	77,712	76,6
Tobacco products	3,006	3,027	2,843	-0.7	+6.5	-6.6	3,096	2,865	2,936	2,628	+17.8	14,133	13,2
Textile mill products	6,334	6,283	6,424	+0.8	-2.2	+0.7	6,328	6,052	6,740	6,190	+2.2	30,839	29,3
Broadwoven fabrics and other textiles	3,917	3,904	4,011	+0.3	-2.7	+0.4	4,007	3,785	4,289	3,933	+1.9	19,558	18,4
Paper and allied products	13,921	13,673	13,469	+1.8	+1.5	+0.7	13,879	13,326	13,719	11,101	+25.0	67,037	53,9
Pulp, paper, and paperboard mill products	6,090	6,035	5,858	+0.9	+3.0	+2.8	6,090	5,883	5,968	4,387	+38.8	29,070	21,2
Paperboard containers and boxes	3,731	3,581	3,629	+4.2	-1.3	+0.6	3,779	3,615	3,698	2,930	+29.0	18,066	13,9
Miscellaneous converted paper products	4,100	4,057	3,982	+1.1	+1.9	-2.1	4,010	3,828	4,053	3,784	+6.0	19,901	18,7
Chemicals and allied products	30,241	29,991	30,488	+0.8	-1.6	-0.7	30,510	30,905	32,372	28,424	+7.3	153,174	138,5
Industrial chemicals	16,741	16,549	16,819	+1.2	-1.6	-0.1	16,992	16,962	17,607	14,873	+14.2	84,642	71,3
Drugs, soaps, and toiletries	10,208	10,163	10,281	+0.4	-1.1	-0.5	9,361	9,637	10,690	9,437	-0.8	49,588	48,9
Petroleum and coal products	13,593	13,567	13,082	+0.2	+3.7	-2.4	13,986	13,298	11,847	12,091	+15.7	62,558	54,6
Rubber and plastics products	10,094	10,046	10,111	+0.5	-0.6	+0.1	10,359	10,251	10,680	9,701	+6.8	50,903	46,3
All other nondurable goods	24,415	24,452	24,439	-0.2	+0.1	+1.0	23,047	23,628	24,342	22,343	+3.2	117,125	110,7

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey variability

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	May 95/94	1995[p]	1994
All manufacturing industries	297,032	293,069	299,625	+1.4	-2.2	-0.4	296,495	291,915	316,242	279,116	+6.2	1,482,257	1,363,310
Manufacturing industries													
with unfilled orders	163,696	159,123	164,275	+2.9	-3.1	0.0	160,165	157,197	176,356	148,269	+8.0	810,941	733,154
without defense capital goods	291,387	287,900	292,466	+1.2	-1.6	-0.5	292,205	287,493	307,308	273,195	+7.0	1,453,311	1,333,802
Durable goods industries	159,715	155,553	163,042	+2.7	-4.6	-0.2	159,423	156,020	176,497	150,852	+5.7	807,958	739,817
With unfilled orders	128,834	124,229	130,023	+3.7	-4.5	0.0	125,761	122,447	141,002	116,901	+7.6	639,642	579,318
Stone, clay, and glass products	6,901	6,381	6,851	+8.1	-6.9	-2.2	7,167	6,676	6,755	6,893	+4.0	33,908	32,131
Primary metals	14,664	14,620	15,182	+0.3	-3.7	-0.3	14,424	14,813	16,873	13,481	+7.0	78,529	66,387
Blast furnaces, steel mills	6,397	6,213	6,665	+3.0	-6.8	+3.0	6,271	6,202	7,402	5,653	+10.9	34,012	29,787
Iron and steel foundries	1,204	1,295	1,332	-7.0	-2.8	-11.8	1,225	1,390	1,402	1,318	-7.1	6,970	6,352
Nonferrous and other primary metals	7,063	7,112	7,185	-0.7	-1.0	-0.9	6,928	7,221	8,069	6,510	+6.4	37,547	30,248
Fabricated metal products	16,043	15,745	15,754	+1.9	-0.1	-1.5	16,223	15,636	16,655	15,489	+4.7	79,828	75,043
Industrial machinery and equipment	31,349	30,289	31,827	+3.5	-4.8	+1.8	30,688	29,286	35,741	27,823	+10.3	153,780	136,211
Engines and turbines	1,880	1,914	1,843	-1.8	+3.9	-0.6	1,691	1,510	1,761	1,803	-6.2	7,936	7,744
Construction, mining and material handling equipment	3,284	3,117	3,343	+5.4	-6.8	+3.7	3,308	3,145	3,771	2,765	+19.6	17,054	14,173
Metalworking machinery	3,560	3,610	3,706	-1.4	-2.6	+3.3	3,517	3,402	3,948	2,946	+19.4	17,501	14,725
Computer and office equipment	8,419	8,186	8,709	+2.8	-6.0	+3.6	7,847	6,915	10,612	7,222	+8.7	38,793	34,495
Electronic and other electrical equipment	26,692	25,736	26,598	+3.7	-3.2	+7.3	25,786	25,949	27,159	21,360	+20.7	127,984	108,495
Electrical transmission and distribution equipment and industrial apparatus	2,814	2,782	2,838	+1.2	-2.0	-2.7	2,804	2,782	3,112	2,543	+10.3	14,436	13,180
Electric lighting and wiring equipment	1,915	1,924	1,956	-0.5	-1.6	-3.9	1,900	1,840	2,078	1,811	+4.9	9,782	8,778
Communications equipment	6,548	5,934	6,734	+10.3	-11.9	+20.9	6,162	5,568	7,231	4,168	+47.8	29,218	22,017
Electronic components	10,076	10,003	9,964	+0.7	+0.4	+5.5	9,852	11,179	9,751	7,778	+26.7	50,802	40,380
Transportation equipment	36,456	35,431	39,457	+2.9	-10.2	-2.9	37,662	37,141	44,351	38,967	-3.3	197,350	192,745
Aircraft, missiles, space vehicles, and parts	8,257	6,702	8,531	+23.2	-21.4	-9.7	6,987	6,479	10,603	7,068	-1.1	38,585	37,711
Shipbuilding and tanks	394	328	413	+20.1	-20.6	-10.2	410	353	479	544	-24.6	3,218	2,856
Instruments and related products	10,970	11,085	10,931	-1.0	+1.4	-7.5	10,716	10,008	11,755	10,044	+6.7	53,996	49,675
Search and navigation equipment	2,289	2,412	2,591	-5.1	-6.9	+4.2	2,050	1,733	2,819	1,806	+13.5	10,775	8,887
Measuring and controlling devices	3,422	3,473	3,458	-1.5	+0.4	-10.4	3,418	3,343	3,842	3,030	+12.8	17,893	15,923
Medical instruments and supplies	2,984	2,935	2,744	+1.7	+7.0	-11.3	2,915	2,812	2,942	2,807	+3.8	14,599	13,999
All other durable goods	16,640	16,266	16,442	+2.3	-1.1	-0.8	16,757	16,511	17,208	16,795	-0.2	82,583	79,130
Nondurable goods industries	137,317	137,516	136,583	-0.1	+0.7	-0.6	137,072	135,895	139,745	128,264	+6.9	674,299	623,493
With unfilled orders	34,862	34,894	34,252	-0.1	+1.9	-0.2	34,404	34,750	35,354	31,368	+9.7	171,299	153,836

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	May 95/94
All manufacturing industries	462,099	461,984	464,208	0.0	-0.5	+0.3	466,324	467,845	468,163	452,069	+3.2
Manufacturing industries without defense capital goods	351,816	350,729	351,588	+0.3	-0.2	+0.2	355,519	355,057	353,734	338,330	+5.1
Durable goods industries	436,088	435,919	438,336	0.0	-0.6	+0.3	439,618	441,244	442,098	427,471	+2.8
Stone, clay, and glass products	7,559	7,691	7,931	-1.7	-3.0	-2.4	7,789	7,749	7,904	7,731	+0.8
Primary metals	28,637	29,149	29,452	-1.8	-1.0	-0.4	29,592	30,677	31,069	26,008	+13.8
Blast furnaces, steel mills	11,698	11,678	11,736	+0.2	-0.5	+1.1	12,143	12,415	12,588	11,274	+7.7
Iron and steel foundries	3,840	3,958	3,927	-3.0	+0.8	+0.1	3,852	4,011	3,951	3,436	+12.1
Nonferrous and other primary metals	13,099	13,513	13,789	-3.1	-2.0	-1.8	13,597	14,251	14,530	11,298	+20.3
Fabricated metal products	21,421	21,161	21,103	+1.2	+0.3	+0.3	21,468	21,316	21,317	20,584	+4.3
Industrial machinery and equipment	72,332	71,808	71,701	+0.7	+0.1	+2.1	72,379	71,920	71,753	58,942	+22.8
Engines and turbines	9,853	10,013	10,118	-1.6	-1.0	+0.4	9,318	9,555	9,910	9,564	-2.6
Construction, mining and material handling equipment	7,881	7,743	7,716	+1.8	+0.3	+3.1	7,999	7,953	8,000	6,516	+22.8
Metalworking machinery	11,189	10,901	10,661	+2.6	+2.3	+4.0	11,189	10,901	10,661	8,712	+28.4
Computer and office equipment	12,018	12,420	12,447	-3.2	-0.2	+1.8	12,439	12,275	11,901	9,304	+33.7
Electronic and other electrical equipment	52,525	51,279	50,398	+2.4	+1.7	+3.0	53,593	52,675	50,320	47,649	+12.5
Electrical transmission and distribution equipment and industrial apparatus	6,086	6,065	6,028	+0.3	+0.6	-1.0	6,091	6,077	6,028	6,102	-0.2
Electric lighting and wiring equipment	3,859	3,873	3,874	-0.4	0.0	+0.1	3,859	3,873	3,874	3,403	+13.4
Communications equipment	16,789	16,217	16,183	+3.5	+0.2	+5.8	16,786	16,276	16,179	14,864	+12.9
Electronic components	20,343	19,730	18,827	+3.1	+4.8	+3.5	21,503	21,152	18,778	17,717	+21.4
Transportation equipment	198,978	199,884	202,575	-0.5	-1.3	-0.2	199,803	201,668	204,234	209,734	-4.7
Aircraft, missiles, space vehicles, and parts	168,205	168,254	170,326	0.0	-1.2	0.0	168,942	169,754	171,718	180,708	-6.5
Shipbuilding and tanks	17,912	18,369	18,863	-2.5	-2.6	-2.5	17,979	18,428	18,868	17,352	+3.6
Instruments and related products	46,370	46,966	47,158	-1.3	-0.4	-1.4	46,170	46,940	47,617	48,432	-4.7
Search and navigation equipment	30,266	30,507	30,707	-0.8	-0.7	-0.2	30,054	30,481	31,128	31,369	-4.2
Measuring and controlling devices	9,542	9,722	9,653	-1.9	+0.7	-2.3	9,542	9,722	9,653	9,212	+3.6
Medical instruments and supplies	5,713	5,884	5,938	-2.9	-0.9	-5.6	5,713	5,884	5,938	7,013	-18.5
All other durable goods	8,266	7,981	8,018	+3.6	-0.5	-0.9	8,824	8,299	7,884	8,391	+5.2
Nondurable goods industries	26,011	26,065	25,872	-0.2	+0.7	-1.1	26,706	26,601	26,065	24,598	+8.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	May 95/94
All manufacturing industries	408,245	405,678	402,081	+0.6	+0.9	+0.6	412,443	407,559	402,074	385,391	+7.0
Manufacturing industries with unfilled orders	272,471	270,365	267,741	+0.8	+1.0	+0.8	276,632	272,160	267,102	256,926	+7.7
without defense capital goods	386,273	383,707	379,957	+0.7	+1.0	+0.7	390,048	385,546	380,048	360,167	+8.3
Durable goods industries	256,829	255,334	253,237	+0.6	+0.8	+0.4	260,017	256,567	253,082	243,001	+7.0
With unfilled orders	235,232	233,723	231,742	+0.6	+0.9	+0.5	238,574	234,876	230,888	223,076	+6.9
Stone, clay, and glass products	8,271	8,092	7,890	+2.2	+2.6	+1.6	8,493	8,321	8,091	7,643	+11.1
Primary metals	21,708	21,716	21,489	0.0	+1.1	+0.8	21,748	21,777	21,425	19,622	+10.8
Blast furnaces, steel mills	10,349	10,361	10,178	-0.1	+1.8	+1.0	10,246	10,215	9,990	9,417	+8.8
Iron and steel foundries	1,637	1,631	1,613	+0.4	+1.1	+0.9	1,683	1,673	1,656	1,536	+9.6
Nonferrous and other primary metals	9,722	9,724	9,698	0.0	+0.3	+0.5	9,819	9,889	9,779	8,669	+13.3
Fabricated metal products	25,502	25,399	25,154	+0.4	+1.0	+1.8	25,816	25,734	25,458	23,313	+10.7
Industrial machinery and equipment	52,280	51,728	51,289	+1.1	+0.9	-0.2	52,907	51,770	50,848	48,596	+8.9
Engines and turbines	3,767	3,715	3,941	+1.4	-5.7	+3.4	3,815	3,728	3,837	3,771	+1.2
Farm and garden machinery	2,740	2,816	2,859	-2.7	-1.5	+0.2	2,641	2,757	2,992	2,283	+15.7
Construction, mining and material handling equipment	6,500	6,411	6,376	+1.4	+0.5	+1.1	6,578	6,499	6,497	5,837	+12.7
Metalworking machinery	6,083	5,970	5,916	+1.9	+0.9	+1.0	6,119	6,005	5,843	5,450	+12.3
Computer and office equipment	11,444	11,273	10,975	+1.5	+2.7	-5.9	11,719	11,076	10,422	11,995	-2.3
Electronic and other electrical equipment	43,234	42,996	42,563	+0.6	+1.0	+0.8	44,238	43,509	42,376	36,945	+19.7
Electrical transmission and distribution equipment and industrial apparatus	4,809	4,815	4,829	-0.1	-0.3	+0.5	4,880	4,872	4,817	4,411	+10.6
Household appliances	2,895	2,905	2,913	-0.3	-0.3	+0.7	3,147	3,120	3,054	2,814	+11.8
Electric lighting and wiring equipment	3,266	3,209	3,160	+1.8	+1.6	-0.2	3,351	3,244	3,173	3,004	+11.6
Household audio and video equipment	1,537	1,512	1,437	+1.7	+5.2	+3.5	1,574	1,483	1,368	1,094	+43.9
Communications equipment	14,054	13,906	13,689	+1.1	+1.6	+0.5	14,508	14,159	13,609	10,893	+33.2
Electronic components	13,096	12,984	12,901	+0.9	+0.6	+0.4	13,122	12,926	12,762	11,357	+15.5
Transportation equipment	59,345	58,856	58,635	+0.8	+0.4	+0.5	59,846	58,644	58,691	60,993	-1.9
Motor vehicles and parts	12,549	12,404	12,297	+1.2	+0.9	+1.2	12,313	12,236	12,275	11,688	+5.3
Aircraft, missiles, space vehicles, and parts	42,036	41,728	41,737	+0.7	0.0	+0.3	42,755	41,642	41,689	45,177	-5.4
Shipbuilding and tanks	1,510	1,518	1,559	-0.5	-2.6	-0.4	1,568	1,570	1,586	1,638	-4.3
Instruments and related products	21,819	21,963	21,931	-0.7	+0.1	+0.1	22,133	22,125	21,711	22,309	-0.8
Search and navigation equipment	5,376	5,513	5,578	-2.5	-1.2	-0.7	5,428	5,550	5,468	5,818	-6.7
Measuring and controlling devices	6,981	6,969	6,878	+0.2	+1.3	+0.6	7,086	7,028	6,871	6,566	+7.9
Medical instruments and supplies	6,084	6,099	6,071	-0.2	+0.5	+0.2	6,175	6,115	5,980	6,325	-2.4
Photographic goods	2,500	2,501	2,521	0.0	-0.8	-0.4	2,558	2,539	2,510	2,780	-8.0
All other durable goods	24,670	24,584	24,286	+0.3	+1.2	-0.8	24,836	24,687	24,482	23,580	+5.3
Nondurable goods industries	151,416	150,344	148,844	+0.7	+1.0	+0.8	152,426	150,992	148,992	142,390	+7.0
With unfilled orders	37,239	36,642	35,999	+1.6	+1.8	+2.6	38,058	37,284	36,214	33,850	+12.4
Food and kindred products	31,036	31,165	31,284	-0.4	-0.4	0.0	29,841	30,303	30,850	29,475	+1.2
Meat products	3,516	3,465	3,489	+1.5	-0.7	+0.2	3,597	3,524	3,553	3,486	+3.2
Dairy products	2,609	2,812	2,800	-7.2	+0.4	+0.2	2,706	2,880	2,741	2,812	-3.8
Beverages	5,340	5,331	5,325	+0.2	+0.1	+0.3	5,340	5,359	5,367	5,300	+0.8
All other foods, except fats and oils	18,052	18,062	18,124	-0.1	-0.3	+0.4	16,644	16,987	17,549	15,943	+4.4
Tobacco products	5,333	5,404	5,490	-1.3	-1.6	-3.5	5,173	5,412	5,566	5,844	-11.5
Textile mill products	10,165	10,108	10,018	+0.6	+0.9	+1.2	10,571	10,411	10,106	10,020	+5.5
Broadwoven fabrics and other textiles	5,666	5,628	5,580	+0.7	+0.9	+1.0	5,842	5,789	5,631	5,572	+4.8
Paper and allied products	14,967	14,759	14,454	+1.4	+2.1	+2.3	15,356	15,130	14,691	13,746	+11.7
Pulp, paper, and paperboard mill products	5,730	5,663	5,566	+1.2	+1.7	+1.3	5,902	5,808	5,660	5,895	+0.1
Paperboard containers and boxes	4,155	4,058	3,903	+2.4	+4.0	+3.3	4,209	4,144	3,973	3,197	+31.7
Miscellaneous converted paper products	5,082	5,038	4,985	+0.9	+1.1	+2.6	5,245	5,178	5,058	4,654	+12.7
Chemicals and allied products	35,688	35,254	34,689	+1.2	+1.6	+0.2	36,001	35,582	35,063	34,345	+4.8
Industrial chemicals	17,726	17,429	17,000	+1.7	+2.5	-0.2	17,744	17,427	17,106	16,117	+10.1
Drugs, soaps, and toiletries	13,132	13,059	13,031	+0.6	+0.2	-0.2	13,460	13,128	12,903	13,898	-3.2
Petroleum and coal products	11,313	11,235	11,090	+0.7	+1.3	+0.3	11,552	11,191	10,839	10,471	+10.3
Rubber and plastics products	14,177	14,129	13,863	+0.3	+1.9	+0.8	14,353	14,376	14,105	12,466	+15.1
All other nondurable goods	28,737	28,290	27,956	+1.6	+1.2	+2.9	29,579	28,587	27,772	26,023	+13.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	May 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	296,917	295,293	298,437	+0.5	-1.1	0.0	298,016	292,233	313,519	278,948	+6.8	1,467,701	1,349,599
Market categories :													
Automotive equipment	13,627	13,823	14,698	-1.4	-6.0	-0.7	14,910	14,787	15,940	14,955	-0.3	75,009	71,558
Home goods and apparel	19,594	19,481	19,722	+0.6	-1.2	+0.8	18,301	18,188	20,391	17,930	+2.1	93,465	89,022
Consumer staples	60,492	60,854	60,061	-0.6	+1.3	-0.7	59,776	58,701	60,398	57,358	+4.2	292,602	281,441
Machinery and equipment	53,345	53,152	53,737	+0.4	-1.1	0.0	53,258	52,009	59,676	48,790	+9.2	262,665	237,072
Business supplies	22,192	22,204	22,030	-0.1	+0.8	-0.1	22,268	22,613	22,373	20,949	+6.3	109,303	100,868
Construction materials and supplies	18,390	18,110	18,555	+1.5	-2.4	-3.2	18,788	18,141	18,905	18,246	+3.0	90,709	85,728
Defense products	7,044	7,036	7,155	+0.1	-1.7	-0.4	6,720	6,631	7,546	7,079	-5.1	33,969	35,082
Other materials, supplies and and intermediate products	102,233	100,633	102,479	+1.6	-1.8	+0.9	103,995	101,163	108,290	93,641	+11.1	509,979	448,828
Durable goods industries :													
Nondefense capital goods [3]	41,875	41,366	41,403	+1.2	-0.1	+1.1	40,275	38,948	46,926	35,116	+14.7	198,439	173,580
Excluding aircraft and parts	37,071	36,002	36,355	+3.0	-1.0	+1.7	35,739	33,683	41,263	30,954	+15.5	174,087	150,313
Defense capital goods [4]	6,617	6,534	6,643	+1.3	-1.6	0.0	6,273	6,063	7,010	6,576	-4.6	31,246	32,907
Durables excluding capital goods	111,054	110,070	113,525	+0.9	-3.0	-0.1	114,501	111,863	120,266	109,496	+4.6	566,103	523,486
Miscellaneous series :													
Producers' durable equipment	101,422	101,014	103,355	+0.4	-2.3	+0.1	102,833	100,270	113,667	97,818	+5.1	510,802	474,073
Household durable goods	8,311	8,264	8,378	+0.6	-1.4	+1.2	7,863	7,882	8,935	7,707	+2.0	40,053	37,956
Information technology industries	20,522	19,659	20,027	+4.4	-1.8	+3.3	19,104	17,289	23,042	16,191	+18.0	92,528	80,300
Health care equipment and products	8,701	8,510	8,681	+2.2	-2.0	-0.6	8,184	8,109	9,104	8,023	+2.0	42,146	41,049
NEW ORDERS													
All manufacturing industries	297,032	293,069	299,625	+1.4	-2.2	-0.4	296,495	291,915	316,242	279,116	+6.2	1,482,257	1,363,310
Market categories :													
Automotive equipment	13,604	13,801	14,694	-1.4	-6.1	-0.7	14,851	14,759	15,912	14,945	-0.6	74,965	71,658
Home goods and apparel	20,160	19,495	19,597	+3.4	-0.5	+0.3	19,009	18,507	20,500	18,310	+3.8	96,188	91,560
Consumer staples	60,543	60,880	60,061	-0.6	+1.4	-0.7	59,810	58,719	60,379	57,355	+4.3	292,628	281,383
Machinery and equipment	54,272	52,133	54,813	+4.1	-4.9	+0.3	54,102	51,405	60,217	47,786	+13.2	267,382	238,136
Business supplies	22,214	22,331	22,067	-0.5	+1.2	0.0	22,352	22,760	22,486	21,120	+5.8	109,906	101,331
Construction materials and supplies	18,381	17,961	18,389	+2.3	-2.3	-3.8	18,855	18,035	18,834	18,412	+2.4	91,401	86,913
Defense products	6,169	5,767	7,850	+7.0	-26.5	+6.4	4,839	4,979	9,618	6,492	-25.5	31,848	31,890
Other materials, supplies and and intermediate products	101,689	100,701	102,154	+1.0	-1.4	-0.6	102,677	102,751	108,296	94,696	+8.4	517,939	460,439
Durable goods industries :													
Nondefense capital goods [3]	43,068	40,072	42,628	+7.5	-6.0	+1.4	41,335	37,866	47,228	34,311	+20.5	203,062	175,469
Excluding aircraft and parts	37,794	36,046	38,240	+4.8	-5.7	+3.8	36,329	33,939	42,225	31,096	+16.8	180,826	156,631
Defense capital goods [4]	5,645	5,169	7,159	+9.2	-27.8	+4.3	4,290	4,422	8,934	5,921	-27.5	28,946	29,508
Durables excluding capital goods	111,002	110,312	113,255	+0.6	-2.6	-1.0	113,798	113,732	120,335	110,620	+2.9	575,950	534,840
Miscellaneous series :													
Producers' durable equipment	102,427	99,817	104,398	+2.6	-4.4	-0.4	103,717	99,562	113,962	97,591	+6.3	517,683	479,257
Household durable goods	8,654	7,964	8,399	+8.7	-5.2	+2.6	8,230	7,837	9,067	8,037	+2.4	41,083	39,280
Information technology industries	20,431	19,766	20,604	+3.4	-4.1	+2.9	19,607	17,772	23,392	16,611	+18.0	95,553	82,019
Health care equipment and products	8,530	8,458	8,330	+0.9	+1.5	-4.3	8,014	8,057	8,753	7,943	+0.9	41,570	40,605

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and v industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 95/94
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	
UNFILLED ORDERS											
All manufacturing industries	462,099	461,984	464,208	0.0	-0.5	+0.3	466,324	467,845	468,163	452,069	+3.2
Market categories :											
Automotive equipment	2,114	2,137	2,158	-1.1	-1.0	-0.2	2,103	2,162	2,190	2,002	+5.0
Home goods and apparel	10,549	9,983	9,969	+5.7	+0.1	-1.2	11,052	10,344	10,024	11,200	-1.3
Consumer staples	1,715	1,663	1,637	+3.1	+1.6	-0.1	1,657	1,623	1,606	1,418	+16.9
Machinery and equipment	184,974	184,047	185,066	+0.5	-0.6	+0.6	185,549	184,705	185,309	181,288	+2.4
Business supplies	6,263	6,241	6,114	+0.4	+2.1	+0.6	6,412	6,328	6,180	5,830	+10.0
Construction materials and supplies	15,880	15,889	16,037	-0.1	-0.9	-1.0	16,131	16,064	16,170	15,060	+7.1
Defense products	104,680	105,555	106,824	-0.8	-1.2	+0.7	105,116	106,997	108,649	107,718	-2.4
Other materials, supplies and and intermediate products	135,924	136,469	136,403	-0.4	0.0	-0.2	138,304	139,622	138,035	127,553	+8.4
Durable goods industries :											
Nondefense capital goods [3]	204,404	203,211	204,505	+0.6	-0.6	+0.6	204,539	203,479	204,561	199,226	+2.7
Excluding aircraft and parts	97,611	96,888	96,844	+0.7	0.0	+2.0	97,746	97,156	96,900	81,976	+19.2
Defense capital goods [4]	110,283	111,255	112,620	-0.9	-1.2	+0.5	110,805	112,788	114,429	113,739	-2.6
Durables excluding capital goods	121,401	121,453	121,211	0.0	+0.2	-0.2	124,274	124,977	123,108	114,506	+8.5
Miscellaneous series :											
Producers' durable equipment	219,929	218,924	220,121	+0.5	-0.5	+0.5	220,595	219,711	220,419	211,327	+4.4
Household durable goods	5,935	5,592	5,892	+6.1	-5.1	+0.4	6,227	5,860	5,905	6,159	+1.1
Information technology industries	39,516	39,607	39,500	-0.2	+0.3	+1.5	39,954	39,451	38,968	33,805	+18.2
Health care equipment and products	5,746	5,917	5,969	-2.9	-0.9	-5.6	5,746	5,916	5,968	7,043	-18.4
TOTAL INVENTORIES											
All manufacturing industries	408,245	405,678	402,081	+0.6	+0.9	+0.6	412,443	407,559	402,074	385,391	+7.0
Market categories :											
Automotive equipment	6,658	6,613	6,549	+0.7	+1.0	+1.7	6,616	6,600	6,669	6,024	+9.8
Home goods and apparel	33,841	33,684	33,344	+0.5	+1.0	+1.1	35,192	34,209	33,229	31,993	+10.0
Consumer staples	58,999	58,949	58,884	+0.1	+0.1	0.0	58,304	58,239	58,233	57,331	+1.7
Machinery and equipment	99,427	98,595	97,859	+0.8	+0.8	+0.2	101,114	99,040	97,436	92,844	+8.9
Business supplies	23,655	23,313	22,956	+1.5	+1.6	+2.3	23,927	23,619	23,101	21,160	+13.1
Construction materials and supplies	26,254	26,059	25,704	+0.7	+1.4	+1.0	26,606	26,435	26,128	24,659	+7.9
Defense products	21,284	21,230	21,415	+0.3	-0.9	-0.6	21,683	21,276	21,354	24,177	-10.3
Other materials, supplies and and intermediate products	138,127	137,235	135,370	+0.6	+1.4	+0.8	139,001	138,141	135,924	127,203	+9.3
Durable goods industries :											
Nondefense capital goods [3]	94,408	93,468	92,657	+1.0	+0.9	+0.2	96,142	93,881	91,963	87,825	+9.5
Excluding aircraft and parts	67,996	67,215	66,445	+1.2	+1.2	-0.2	69,366	67,688	65,762	60,930	+13.8
Defense capital goods [4]	21,972	21,971	22,124	0.0	-0.7	-0.7	22,395	22,013	22,026	25,224	-11.2
Durables excluding capital goods	140,449	139,895	138,456	+0.4	+1.0	+0.8	141,480	140,673	139,093	129,952	+8.9
Miscellaneous series :											
Producers' durable equipment	160,045	158,999	157,569	+0.7	+0.9	+0.4	162,345	159,783	157,122	148,606	+9.2
Household durable goods	14,871	14,842	14,614	+0.2	+1.6	0.0	15,321	14,994	14,562	13,940	+9.9
Information technology industries	35,623	35,301	34,699	+0.9	+1.7	-1.7	36,510	35,441	34,021	32,891	+11.0
Health care equipment and products	13,241	13,217	13,172	+0.2	+0.3	0.0	13,509	13,272	13,014	13,872	-2.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1995[p]	Apr. 1995[r]	Mar. 1995	May 1994	May 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	134,266	133,208	131,882	+0.8	+1.0	+0.8	133,847	132,779	131,163	121,542	+10.1
Durable goods industries	78,068	77,494	76,627	+0.7	+1.1	+0.2	77,582	76,769	75,656	69,755	+11.2
Stone, clay, and glass products	2,801	2,752	2,699	+1.8	+2.0	+1.4	2,796	2,726	2,693	2,575	+8.6
Primary metals	6,722	6,688	6,751	+0.5	-0.9	-1.1	6,545	6,513	6,545	5,875	+11.4
Fabricated metal products	9,091	9,000	8,749	+1.0	+2.9	+1.7	8,930	8,871	8,712	7,702	+15.9
Industrial machinery and equipment	17,839	17,567	17,372	+1.5	+1.1	+0.3	17,893	17,447	17,008	15,281	+17.1
Electronic and other electrical equipment	14,600	14,542	14,284	+0.4	+1.8	+1.8	14,700	14,626	14,224	11,690	+25.7
Transportation equipment	10,333	10,307	10,311	+0.3	0.0	-1.5	10,359	10,305	10,267	10,957	-5.5
Instruments and related products	6,883	6,871	6,807	+0.2	+0.9	+0.3	6,948	6,884	6,767	6,784	+2.4
Lumber, furniture and miscellaneous durable goods	9,799	9,767	9,654	+0.3	+1.2	-1.3	9,411	9,397	9,440	8,891	+5.8
Nondurable goods industries	56,198	55,714	55,255	+0.9	+0.8	+1.7	56,265	56,010	55,507	51,787	+8.6
Food and kindred products	10,054	9,974	10,122	+0.8	-1.5	-0.5	9,880	9,978	10,232	9,801	+0.8
Tobacco products	4,645	4,691	4,664	-1.0	+0.6	-1.1	4,565	4,751	4,783	4,996	-8.6
Textile mill products	3,001	2,979	2,912	+0.7	+2.3	+1.0	3,102	3,028	2,935	2,864	+8.3
Paper and allied products	7,774	7,633	7,447	+1.8	+2.5	+2.2	7,815	7,688	7,556	6,637	+17.7
Chemicals and allied products	11,645	11,597	11,557	+0.4	+0.3	+1.1	11,691	11,614	11,510	11,300	+3.5
Petroleum and coal products	3,333	3,423	3,471	-2.6	-1.4	+15.2	3,446	3,482	3,415	3,089	+11.6
Rubber and plastics products	5,387	5,365	5,269	+0.4	+1.8	-0.1	5,398	5,408	5,289	4,527	+19.2
Apparel, printing and publishing and leather goods	10,359	10,052	9,813	+3.1	+2.4	+2.8	10,368	10,061	9,787	8,573	+20.9
WORK IN PROCESS											
All manufacturing industries	132,948	132,123	131,086	+0.6	+0.8	-0.2	133,900	132,101	131,041	129,516	+3.4
Durable goods industries	108,437	107,840	106,903	+0.6	+0.9	-0.2	109,525	107,821	106,877	106,181	+3.1
Stone, clay, and glass products	1,283	1,258	1,229	+2.0	+2.4	+2.2	1,342	1,331	1,303	1,089	+23.2
Primary metals	8,097	8,037	7,927	+0.7	+1.4	+2.2	8,117	8,092	8,018	7,274	+11.6
Fabricated metal products	7,940	7,965	7,946	-0.3	+0.2	+1.9	8,006	7,986	8,033	7,533	+6.3
Industrial machinery and equipment	19,490	19,324	19,008	+0.9	+1.7	-1.7	19,628	19,172	18,781	18,695	+5.0
Electronic and other electrical equipment	16,601	16,611	16,654	-0.1	-0.3	-0.8	16,881	16,723	16,634	15,184	+11.2
Transportation equipment	40,662	40,174	39,685	+1.2	+1.2	-0.1	41,049	39,924	39,796	42,007	-2.3
Instruments and related products	9,217	9,350	9,367	-1.4	-0.2	-0.8	9,303	9,414	9,209	9,372	-0.7
Lumber, furniture and miscellaneous durable goods	5,147	5,121	5,087	+0.5	+0.7	+0.6	5,199	5,179	5,103	5,027	+3.4
Nondurable goods industries	24,511	24,283	24,183	+0.9	+0.4	-0.2	24,375	24,280	24,164	23,335	+4.5
Food and kindred products	4,054	4,084	4,059	-0.7	+0.6	+2.8	3,716	3,910	4,050	3,753	-1.0
Tobacco products	178	170	169	+4.7	+0.6	-6.6	135	138	153	129	+4.7
Textile mill products	2,658	2,670	2,649	-0.4	+0.8	+1.6	2,713	2,703	2,662	2,613	+3.8
Paper and allied products	1,370	1,357	1,322	+1.0	+2.6	+2.7	1,391	1,389	1,332	1,225	+13.6
Chemicals and allied products	5,471	5,381	5,393	+1.7	-0.2	+0.9	5,553	5,373	5,371	5,587	-0.6
Petroleum and coal products	2,372	2,246	2,256	+5.6	-0.4	-10.3	2,403	2,248	2,229	2,278	+5.5
Rubber and plastics products	2,073	2,055	2,045	+0.9	+0.5	+1.2	2,056	2,051	2,026	1,776	+15.8
Apparel, printing and publishing and leather goods	6,335	6,320	6,290	+0.2	+0.5	-0.4	6,408	6,468	6,341	5,974	+7.3
FINISHED GOODS											
All manufacturing industries	141,031	140,347	139,113	+0.5	+0.9	+1.1	144,696	142,679	139,870	134,333	+7.7
Durable goods industries	70,324	70,000	69,707	+0.5	+0.4	+1.7	72,910	71,977	70,549	67,065	+8.7
Stone, clay, and glass products	4,187	4,082	3,962	+2.6	+3.0	+1.5	4,355	4,264	4,095	3,979	+9.4
Primary metals	6,889	6,991	6,811	-1.5	+2.6	+1.1	7,086	7,172	6,862	6,473	+9.5
Fabricated metal products	8,471	8,434	8,459	+0.4	-0.3	+1.7	8,880	8,877	8,713	8,078	+9.9
Industrial machinery and equipment	14,951	14,837	14,909	+0.8	-0.5	+1.3	15,386	15,151	15,059	14,620	+5.2
Electronic and other electrical equipment	12,033	11,843	11,625	+1.6	+1.9	+1.9	12,657	12,160	11,518	10,071	+25.7
Transportation equipment	8,350	8,375	8,639	-0.3	-3.1	+6.2	8,438	8,415	8,628	8,029	+5.1
Instruments and related products	5,719	5,742	5,757	-0.4	-0.3	+1.4	5,882	5,827	5,735	6,153	-4.4
Lumber, furniture and miscellaneous durable goods	9,724	9,696	9,545	+0.3	+1.6	-0.9	10,226	10,111	9,939	9,662	+5.8
Nondurable goods industries	70,707	70,347	69,406	+0.5	+1.4	+0.5	71,786	70,702	69,321	67,268	+6.7
Food and kindred products	16,928	17,107	17,103	-1.0	0.0	-0.4	16,245	16,415	16,568	15,921	+2.0
Tobacco products	510	543	657	-6.1	-17.4	-17.0	473	523	630	719	-34.2
Textile mill products	4,506	4,459	4,457	+1.1	0.0	+1.1	4,756	4,680	4,509	4,543	+4.7
Paper and allied products	5,823	5,769	5,685	+0.9	+1.5	+2.2	6,150	6,053	5,803	5,884	+4.5
Chemicals and allied products	18,572	18,276	17,739	+1.6	+3.0	-0.7	18,757	18,595	18,182	17,458	+7.4
Petroleum and coal products	5,608	5,566	5,363	+0.8	+3.8	-3.0	5,703	5,461	5,195	5,104	+11.7
Rubber and plastics products	6,717	6,709	6,549	+0.1	+2.4	+1.4	6,899	6,917	6,790	6,163	+11.9
Apparel, printing and publishing and leather goods	12,043	11,918	11,853	+1.0	+0.5	+4.9	12,803	12,058	11,644	11,476	+11.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1995[p]	Apr. 1995[r]	Mar. 1995	Feb. 1995	May 1995[p]	Apr. 1995[r]	Mar. 1995	Feb. 1995
All manufacturing industries	1.37	1.37	1.35	1.34	2.82	2.86	2.85	2.86
urable goods industries	1.61	1.62	1.57	1.56	3.39	3.44	3.41	3.42
Stone, clay, and glass products	1.18	1.22	1.12	1.08	1.14	1.24	1.20	1.20
Primary metals	1.43	1.46	1.40	1.41	1.89	1.95	1.92	1.95
Fabricated metal products	1.62	1.62	1.60	1.56	1.48	1.47	1.47	1.44
Industrial machinery and equipment	1.70	1.71	1.69	1.70	2.49	2.53	2.52	2.49
Electronic and other electrical equipment	1.70	1.73	1.69	1.72	2.06	2.06	2.00	2.00
Transportation equipment	1.59	1.54	1.47	1.45	11.08	10.91	10.83	10.83
Instruments and related products	1.89	1.95	1.89	1.88	4.01	4.16	4.07	4.11
ondurable goods industries	1.10	1.09	1.09	1.07	0.74	0.75	0.75	0.76
Food and kindred products	0.87	0.86	0.87	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.77	1.79	1.93	1.87	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.61	1.56	1.55	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.08	1.08	1.07	1.06	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.18	1.18	1.14	1.13	(X)	(X)	(X)	(X)
Petroleum and coal products	0.83	0.83	0.85	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.41	1.37	1.36	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1995	May[2] 1990-1994	May 1994-Apr. 1995	May[1] 1995	May[2] 1990-1994	May 1994-Apr. 1995	May[1] 1995	May[2] 1990-1994	May 1994-Apr. 1995	May[1] 1995	May[2] 1990-1994	May 1994-Apr. 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.5	0.2	(X)	0.1	0.1	(X)	0.1	0.0
rable goods industries	0.1	0.2	0.2	0.2	0.8	0.3	0.0	0.1	0.1	(X)	0.1	0.0
tone, clay, and glass products	(X)	0.7	0.7	(X)	1.0	1.1	(X)	0.6	0.6	(X)	0.3	0.1
rimary metals	0.1	0.2	0.4	0.0	1.2	0.9	-0.1	0.4	0.4	(X)	0.1	0.2
abricated metal products	(X)	0.4	0.4	(X)	0.6	0.6	(X)	0.3	0.3	(X)	0.3	0.2
ndustrial machinery and equipment	0.4	0.4	0.5	0.7	0.6	0.7	0.0	0.1	0.2	(X)	0.2	0.1
lectronic and other electrical equipment	0.0	0.2	0.3	0.3	0.4	0.6	0.1	0.1	0.3	(X)	0.1	0.1
ransportation equipment	0.1	0.4	0.6	-0.1	2.9	1.0	-0.1	0.1	0.1	(X)	0.2	0.2
nstruments and related products	(X)	1.2	0.5	(X)	0.5	0.8	(X)	0.1	0.1	(X)	0.1	0.1
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.6	0.2	(X)	0.1	0.1
ood and kindred products	(X)	0.7	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.1
obacco products	(X)	5.4	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.0
extile mill products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.2
aper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
hemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
etroleum and coal products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.2
ubber and plastics products	(X)	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
pital goods industries :												
ondefense	0.5	0.6	0.4	0.7	1.8	0.8	0.0	0.1	0.1	(X)	0.1	0.1
efense	0.1	1.8	0.4	-0.3	10.6	2.6	-0.1	0.3	0.1	(X)	0.5	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

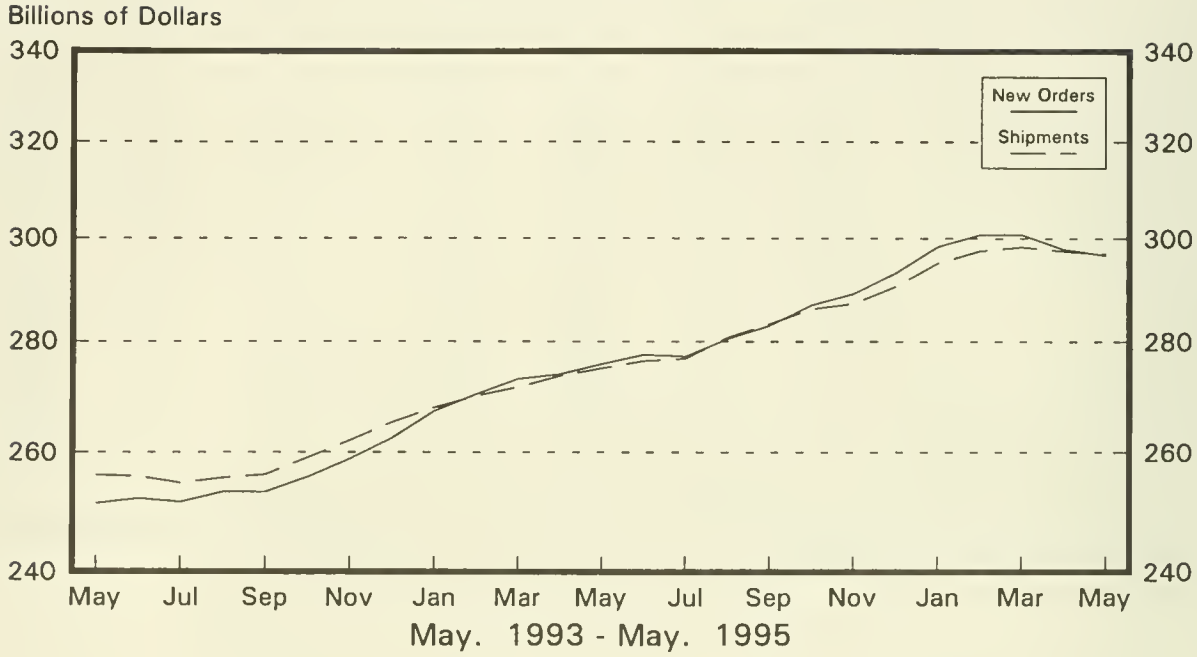
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

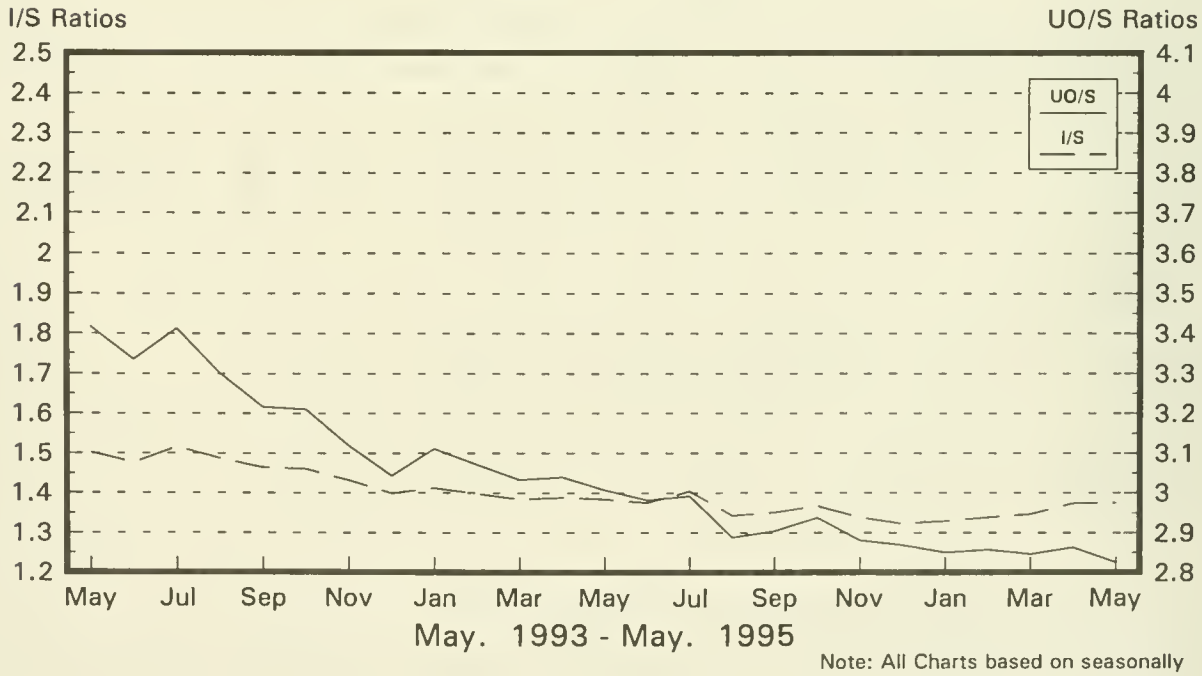
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

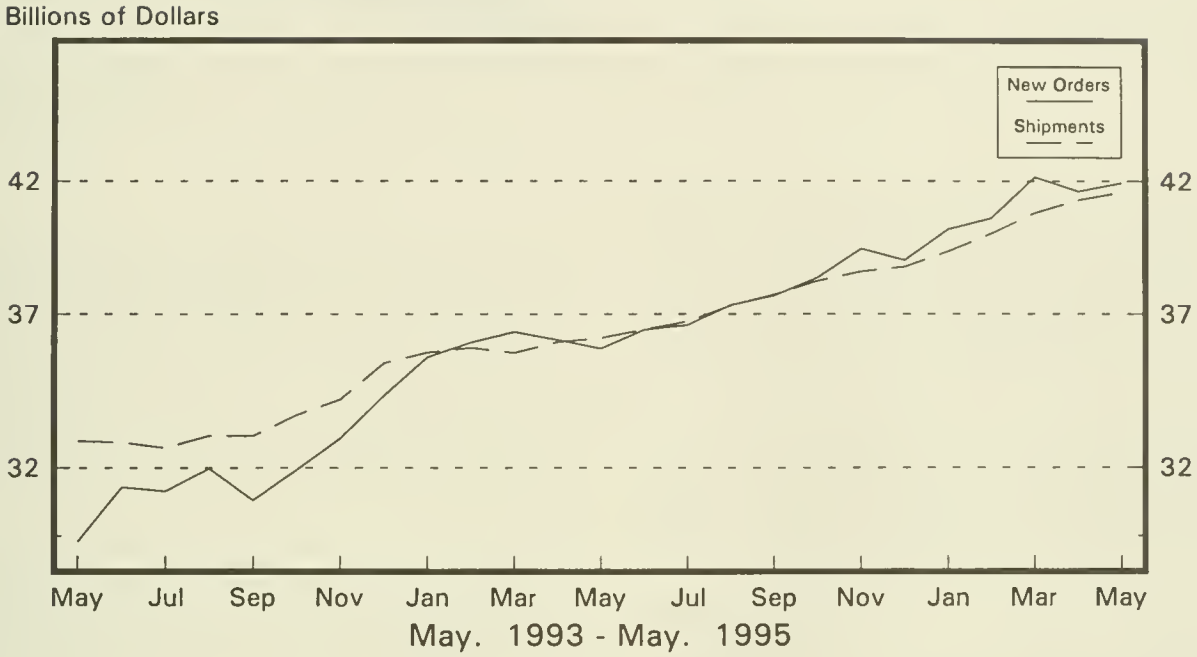
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

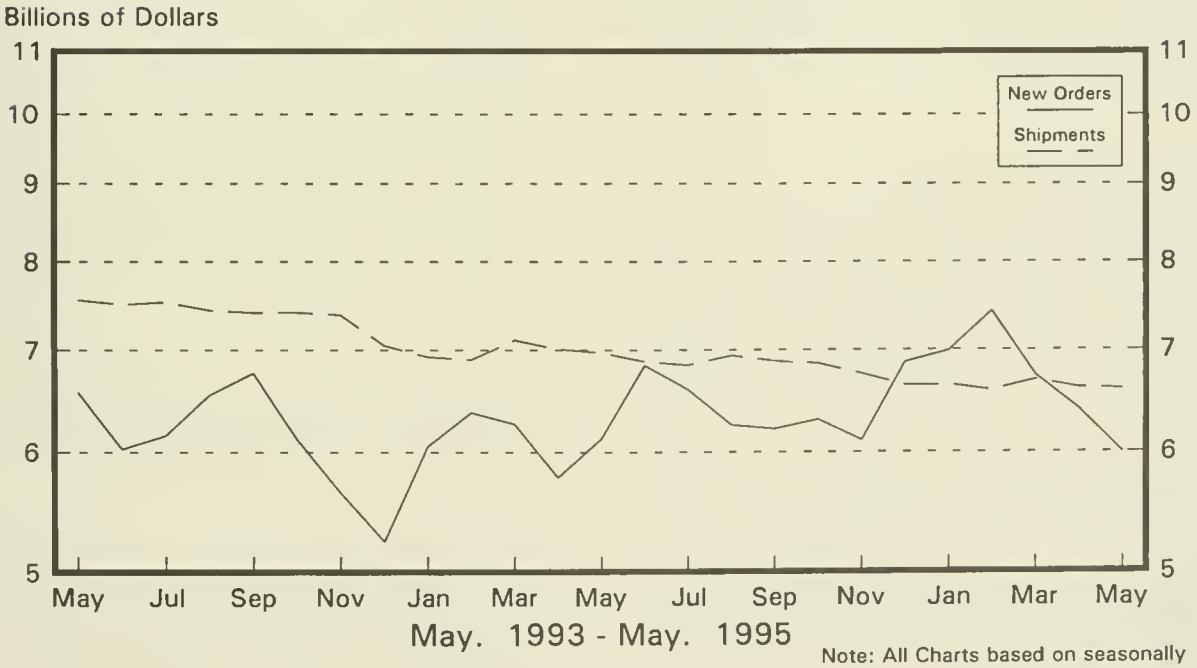
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in June decreased $0.6 billion or 0.2 percent to $296.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.4 percent May increase, and is the fourth decline in the last five months. Year to date, new orders are 8.3 percent above the same period a year ago; second quarter new orders are 1.7 percent below first quarter.

Shipments increased $1.6 billion or 0.5 percent to $298.7 billion. This follows a 0.6 percent May increase and is the sixth increase in the last eight months. Year to date shipments are 8.6 percent above the same period a year ago; second quarter shipments are 0.4 percent below first quarter.

Unfilled orders decreased $2.3 billion or 0.5 percent to $459.7 billion, following a slight May decline and a 0.5 percent April decline. The unfilled orders-to-shipments ratio was 2.78, down from 2.82 in May.

Inventories increased $0.7 billion or 0.2 percent to $408.9 billion, following a 0.6 percent May increase. This is the ninth consecutive monthly increase and the sixteenth in the last eighteen months. The inventories-to-shipments ratio was 1.37, unchanged from May.

New Orders

New orders for manufactured durable goods in June decreased $0.4 billion or 0.3 percent to $159.1 billion, revised from the previously published 0.1 percent decrease. This follows a 2.5 percent May increase and is the fourth decrease in the last five months.

Electronic and other electrical equipment had the largest decline, $0.9 billion or 3.3 percent to $25.9 billion, with over half of the decline due to communication equipment. This follows a 4.1 percent May increase. Fabricated metal products, down four of the last five months, decreased $0.4 billion or 2.8 percent to $15.6 billion. This follows a 1.7 percent May increase. Transportation equipment declined $0.4 billion or 1.2 percent to $36.1 billion; a large decline in aircraft and aircraft parts more than offset increases in the other categories. This follows a 3.0 percent May increase and is the third decline in the last four months. Industrial machinery and equipment, led by an increase in computer and office equipment, increased $1.1 billion or 3.6 percent to $32.3 billion. This follows a 2.9 percent May increase and is the fifth increase this year. Primary metals increased $0.2 billion or 1.5 percent to $14.7 billion. This follows a 1.1 percent May decline and is the first increase since December.

New orders for nondurable goods decreased $0.2 billion or 0.2 percent to $137.3 billion. This follows a slight May increase and is the first decrease since March. Declines, led by leather and leather products and petroleum and coal products, more than offset increases led by textile mill products and food and kindred products.

Shipments

Shipments of durable goods in June increased $1.4 billion or 0.9 percent to $161.0 billion, unrevised from the previously published 0.9 percent increase. This follows a 1.0 percent May increase and is the seventh increase in the last eight months. Electronic and other electrical equipment had the largest increase, $0.8 billion or 2.9 percent to $26.4 billion, following a 3.1 percent May increase. Transportation equipment increased $0.5 billion or 1.5 percent to $37.9 billion, primarily due to motor vehicles and parts and aircraft and parts. This is the first increase since January. Industrial machinery and equipment, up six of the last seven months, increased $0.2 billion or 0.5 percent to $31.0 billion, following a 2.1 percent May increase. Instruments and related products declined $0.1 billion or 1.2 percent to $11.5 billion. This follows a 2.9 percent May increase and is the third decline in the last four months. Fabricated metal products, down four of the last five months, declined $0.1 billion or 0.5 percent to $15.6 billion.

Shipments of nondurable goods, up four of the last five months, increased $0.1 billion or 0.1 percent to $137.6 billion. Food and kindred products had the largest increase, $0.3 billion or 0.9 percent to $36.1 billion, following a 1.5 percent May decline. Printing and publishing, chemicals and allied products, paper and allied products, and apparel also increased. Petroleum and coal products had the largest decline, $0.5 billion or 3.5 percent to $13.1 billion. Tobacco products declined $0.3 billion or 9.0 percent to $2.7 billion.

Unfilled Orders

Unfilled orders for durable goods in June decreased $2.0 billion or 0.5 percent to $433.8 billion, revised from the previously published 0.4 percent decline. This is the third consecutive monthly decline, following seven consecutive monthly increases. Transportation equipment had the largest decline, $1.8 billion or 0.9 percent to $197.3 billion. This follows a 0.4 percent May decline, is the fourth consecutive monthly decline and the fifth this year. Since reaching a peak in March 1991, unfilled orders of transportation equipment have declined nearly every month. Primary metals, down for the fourth consecutive month, declined $0.5 billion or 1.6 percent to $28.0 billion. Electronic and other electrical equipment decreased $0.5 billion or 0.9 percent to $52.0 billion, the first decline since August 1994. Industrial machinery and equipment increased $1.3 billion or 1.8 percent to $73.5 billion. This follows a 0.5 percent May increase and is the twenty-third increase in the last twenty-four months.

Inventories

Inventories of durable goods in June increased $0.1 billion to $256.8 billion, the sixteenth increase in the last eighteen months. Electronic and other electrical equipment had the largest increase, $0.4 billion or 1.0 percent to $43.7 billion. This follows a 0.6 percent May increase and is the eighteenth consecutive increase. Instruments and related products increased $0.3 billion or 1.3 percent to $22.1 billion, the fourth increase in the last five months. Primary metals, up seventeen of the last nineteen months, increased $0.1 billion or 0.5 percent to $21.8 billion. Transportation equipment had the largest decline, $0.6 billion or 1.0 percent to $58.6 billion, following three consecutive monthly increases. Industrial machinery and equipment declined $0.1 billion or 0.2 percent to $52.2 billion, the first decline since March.

Inventories of nondurable goods in June increased $0.6 billion or 0.4 percent to $152.1 billion, the ninth consecutive monthly increase. Paper and allied products had the largest increase, $0.3 billion or 2.2 percent to $15.4 billion.

By stage of fabrication, finished goods increased 0.9 percent in durables and 0.1 percent in nondurables. Work in process decreased 0.6 percent in durables and increased 0.4 percent in nondurables. Materials and supplies increased 0.1 percent in durables and 0.8 percent in nondurables.

The advance report on durable goods for July is scheduled for August 24, 1995 at 8:30 a.m. and the full report on August 31, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1995[p]	May 1995[r]	Apr. 1995	May-June	Apr.-May	Mar.-Apr.	June 1995[p]	May 1995[r]	Apr. 1995	June 1994	June 95/94	1995[p]	1994
All manufacturing industries	298,652	297,093	295,293	+0.5	+0.6	-1.1	320,481	298,324	292,233	300,347	+6.7	1,788,490	1,649,946
Manufacturing Industries													
with unfilled orders	165,410	163,788	161,347	+1.0	+1.5	-1.1	179,279	161,859	157,515	163,628	+9.6	975,837	883,071
without defense capital goods	292,209	290,464	288,759	+0.6	+0.6	-1.0	313,593	291,964	286,170	292,977	+7.0	1,750,269	1,609,669
Durable goods industries	161,028	159,612	157,970	+0.9	+1.0	-2.2	176,521	161,166	156,874	165,101	+6.9	972,426	895,074
With unfilled orders	129,956	128,751	126,646	+0.9	+1.7	-1.5	143,064	127,502	123,301	131,266	+9.0	770,651	700,74
Stone, clay, and glass products	6,988	6,981	6,621	+0.1	+5.4	-6.0	7,652	7,056	6,831	7,336	+4.3	41,214	38,55
Primary metals	15,142	15,169	14,923	-0.2	+1.6	-2.5	15,948	15,519	15,205	13,514	+18.0	92,754	75,44
Blast furnaces, steel mills	6,349	6,370	6,271	-0.3	+1.6	-4.1	6,641	6,544	6,375	5,936	+11.9	39,162	34,16
Iron and steel foundries	1,319	1,326	1,264	-0.5	+4.9	-4.9	1,407	1,387	1,330	1,260	+11.7	8,215	7,21
Nonferrous and other primary metals	7,474	7,473	7,388	0.0	+1.2	-0.7	7,900	7,588	7,500	6,318	+25.0	45,377	34,06
Fabricated metal products	15,643	15,719	15,687	-0.5	+0.2	-0.1	16,686	16,044	15,637	16,015	+4.2	95,511	90,52
Industrial machinery and equipment	30,981	30,816	30,182	+0.5	+2.1	-0.6	35,645	30,237	29,119	31,404	+13.5	184,250	161,65
Engines and turbines	1,737	1,984	2,019	-12.4	-1.7	+12.2	1,953	1,928	1,865	2,435	-19.8	11,195	10,75
Farm and garden machinery	1,785	1,726	1,828	+3.4	-5.6	-3.3	1,817	2,068	2,469	1,762	+3.1	12,790	12,06
Construction, mining and material handling equipment	3,186	3,153	3,090	+1.0	+2.0	-0.7	3,466	3,263	3,192	2,944	+17.7	19,521	16,39
Metalworking machinery	3,480	3,303	3,370	+5.4	-2.0	+2.2	3,790	3,237	3,162	2,975	+27.4	19,687	16,32
Computer and office equipment	8,795	8,790	8,213	+0.1	+7.0	-3.3	11,539	7,653	6,541	9,711	+18.8	49,063	42,15
Electronic and other electrical equipment	26,377	25,627	24,855	+2.9	+3.1	-1.1	28,731	24,951	23,594	24,422	+17.6	149,337	129,70
Electrical transmission and distribution equipment and industrial apparatus	2,933	2,803	2,745	+4.6	+2.1	-5.3	3,241	2,788	2,733	2,885	+12.3	17,330	15,73
Household appliances	1,881	1,875	1,828	+0.3	+2.6	-1.9	2,139	1,905	1,837	2,176	-1.7	11,322	11,19
Electric lighting and wiring equipment	1,863	1,899	1,925	-1.9	-1.4	-1.5	1,962	1,885	1,841	1,890	+3.8	11,499	10,50
Household audio and video equipment	1,127	1,145	1,124	-1.6	+1.9	+0.4	1,006	947	898	911	+10.4	5,857	5,22
Communications equipment	6,371	6,023	5,900	+5.8	+2.1	+0.8	7,249	5,655	5,471	5,642	+28.5	34,688	27,82
Electronic components	9,993	9,613	9,100	+4.0	+5.6	-2.4	10,832	9,590	8,805	8,622	+25.6	56,152	46,38
Transportation equipment	37,875	37,332	38,122	+1.5	-2.1	-4.5	41,739	39,559	39,707	42,830	-2.5	242,492	239,31
Motor vehicles and parts	26,294	25,989	26,488	+1.2	-1.9	-6.9	28,806	28,576	28,230	30,010	-4.0	174,154	172,11
Aircraft, missiles, space vehicles, and parts.	8,458	8,301	8,774	+1.9	-5.4	+3.8	9,786	7,846	8,443	9,598	+2.0	50,368	50,62
Shipbuilding and tanks	861	847	822	+1.7	+3.0	-8.5	907	854	793	1,396	-35.0	5,080	6,1
Instruments and related products	11,467	11,609	11,277	-1.2	+2.9	-2.8	12,509	11,568	10,685	12,222	+2.3	68,435	64,85
Search and navigation equipment	2,444	2,523	2,612	-3.1	-3.4	-1.6	2,640	2,501	2,380	2,712	-2.7	15,092	14,52
Measuring and controlling devices	3,708	3,660	3,404	+1.3	+7.5	-7.8	3,964	3,657	3,274	3,442	+15.2	21,623	18,95
Medical instruments and supplies	3,093	3,155	2,989	-2.0	+5.6	-3.4	3,375	3,088	2,866	3,292	+2.5	18,555	17,7
Photographic goods	1,805	1,859	1,863	-2.9	-0.2	+5.4	2,070	1,898	1,753	2,357	-12.2	10,735	11,4
All other durable goods	16,555	16,359	16,303	+1.2	+0.3	-1.3	17,611	16,232	16,096	17,358	+1.5	98,433	95,0
Nondurable goods industries	137,624	137,481	137,323	+0.1	+0.1	+0.3	143,960	137,158	135,359	135,246	+6.4	816,064	754,8
With unfilled orders	35,454	35,037	34,701	+1.2	+1.0	+0.5	36,215	34,357	34,214	32,362	+11.9	205,186	182,3
Food and kindred products	36,060	35,743	36,284	+0.9	-1.5	+0.8	37,256	35,752	35,034	36,879	+1.0	213,390	209,7
Meat products	8,173	7,986	8,373	+2.3	-4.6	+4.1	8,418	8,169	8,163	8,182	+2.9	48,254	47,5
Dairy products	4,608	4,613	4,658	-0.1	-1.0	-1.6	4,834	4,690	4,593	4,824	+0.2	28,098	27,6
Beverages	5,339	5,312	5,349	+0.5	-0.7	+0.2	6,161	5,782	5,296	6,077	+1.4	31,775	30,9
All other foods, except fats and oils	16,114	16,049	16,030	+0.4	+0.1	+1.5	16,017	15,328	15,108	15,942	+0.5	93,750	92,5
Tobacco products	2,713	2,980	3,027	-9.0	-1.6	+6.5	2,895	3,120	2,865	2,854	+1.4	17,052	16,1
Textile mill products	6,274	6,301	6,283	-0.4	+0.3	-2.2	6,928	6,296	6,052	6,904	+0.3	37,735	36,2
Broadwoven fabrics and other textiles	3,858	3,886	3,904	-0.7	-0.5	-2.7	4,194	3,979	3,785	4,254	-1.4	23,724	22,6
Paper and allied products	14,138	14,003	13,673	+1.0	+2.4	+1.5	14,733	13,932	13,326	11,751	+25.4	81,823	65,7
Pulp, paper, and paperboard mill products	6,247	6,140	6,035	+1.7	+1.7	+3.0	6,484	6,111	5,883	4,613	+40.6	35,575	25,9
Paperboard containers and boxes	3,752	3,753	3,581	0.0	+4.8	-1.3	3,891	3,806	3,615	3,062	+27.1	21,984	17,0
Miscellaneous converted paper products	4,139	4,110	4,057	+0.7	+1.3	+1.9	4,358	4,015	3,828	4,076	+6.9	24,264	22,8
Chemicals and allied products	30,618	30,441	29,991	+0.6	+1.5	-1.6	32,607	30,743	30,905	30,149	+8.2	186,014	168,6
Industrial chemicals	17,051	16,840	16,549	+1.3	+1.8	-1.6	18,006	17,051	16,962	15,660	+15.0	102,707	86,9
Drugs, soaps, and toiletries	10,128	10,233	10,163	-1.0	+0.7	-1.1	10,594	9,440	9,637	10,747	-1.4	60,261	59,7
Petroleum and coal products	13,094	13,573	13,567	-3.5	0.0	+3.7	14,096	14,000	13,298	13,071	+7.8	76,668	67,6
Rubber and plastics products	9,942	10,077	10,046	-1.3	+0.3	-0.6	10,732	10,373	10,251	10,264	+4.6	61,649	56,5
All other nondurable goods	24,785	24,363	24,452	+1.7	-0.4	+0.1	24,713	22,942	23,628	23,374	+5.7	141,733	134,1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1995[p]	May 1995[r]	Apr. 1995	May-June	Apr.-May	Mar.-Apr.	June 1995[p]	May 1995[r]	Apr. 1995	June 1994	June 95/94	1995[p]	1994
All manufacturing industries	296,401	297,046	293,069	-0.2	+1.4	-2.2	314,009	297,199	291,915	298,809	+5.1	1,796,970	1,662,119
Manufacturing industries													
with unfilled orders	163,159	163,741	159,123	-0.4	+2.9	-3.1	172,807	160,734	157,197	162,090	+6.6	984,317	895,244
without defense capital goods	290,968	291,498	287,900	-0.2	+1.2	-1.6	308,754	292,840	287,493	291,529	+5.9	1,762,700	1,625,331
Durable goods industries	159,064	159,502	155,553	-0.3	+2.5	-4.6	170,363	159,850	156,020	163,603	+4.1	978,748	903,420
With unfilled orders	127,992	128,641	124,229	-0.5	+3.6	-4.5	136,906	126,186	122,447	129,768	+5.5	776,973	709,086
tone, clay, and glass products	6,980	6,832	6,381	+2.2	+7.1	-6.9	7,406	7,112	6,676	6,987	+6.0	41,259	39,118
rimary metals	14,675	14,455	14,620	+1.5	-1.1	-3.7	14,789	14,356	14,813	13,550	+9.1	93,250	79,937
Blast furnaces, steel mills	6,190	6,295	6,213	-1.7	+1.3	-6.8	6,196	6,190	6,202	5,851	+5.9	40,127	35,638
Iron and steel foundries	1,253	1,196	1,295	+4.8	-7.6	-2.8	1,304	1,226	1,390	1,339	-2.6	8,275	7,691
Nonferrous and other primary metals	7,232	6,964	7,112	+3.8	-2.1	-1.0	7,289	6,940	7,221	6,360	+14.6	44,848	36,608
abricated metal products	15,569	16,011	15,745	-2.8	+1.7	-0.1	16,545	16,267	15,636	15,981	+3.5	96,417	91,024
ndustrial machinery and equipment	32,299	31,180	30,289	+3.6	+2.9	-4.8	36,209	30,704	29,286	32,532	+11.3	190,005	168,743
Engines and turbines	2,251	1,821	1,914	+23.6	-4.9	+3.9	2,599	1,690	1,510	2,518	+3.2	10,534	10,262
Construction, mining and material handling equipment	3,220	3,258	3,117	-1.2	+4.5	-6.8	3,328	3,291	3,145	3,019	+10.2	20,365	17,192
Metalworking machinery	3,483	3,560	3,610	-2.2	-1.4	-2.6	3,793	3,494	3,402	3,389	+11.9	21,271	18,114
Computer and office equipment	9,393	8,331	8,186	+12.7	+1.8	-6.0	11,903	7,812	6,915	9,827	+21.1	50,661	44,322
lectronic and other electrical equipment	25,925	26,796	25,736	-3.3	+4.1	-3.2	27,002	25,901	25,949	23,186	+16.5	155,101	131,681
Electrical transmission and distribution equipment and industrial apparatus	2,843	2,824	2,782	+0.7	+1.5	-2.0	3,122	2,802	2,782	2,806	+11.3	17,556	15,986
Electric lighting and wiring equipment	1,790	1,913	1,924	-6.4	-0.6	-1.6	1,889	1,899	1,840	1,937	-2.5	11,670	10,715
Communications equipment	6,042	6,611	5,934	-8.6	+11.4	-11.9	6,933	6,168	5,568	5,322	+30.3	36,157	27,339
Electronic components	10,014	10,139	10,003	-1.2	+1.4	+0.4	9,678	9,970	11,179	7,538	+28.4	60,598	47,918
ansportation equipment	36,077	36,499	35,431	-1.2	+3.0	-10.2	39,269	37,905	37,141	41,930	-6.3	236,862	234,675
Aircraft, missiles, space vehicles, and parts	6,664	8,200	6,702	-18.7	+22.4	-21.4	7,512	7,140	6,479	9,319	-19.4	46,250	47,030
Shipbuilding and tanks	868	509	328	+70.5	+55.2	-20.6	948	510	353	742	+27.8	4,266	3,598
struments and related products	11,221	11,167	11,085	+0.5	+0.7	+1.4	12,089	10,897	10,008	12,317	-1.9	66,266	61,992
Search and navigation equipment	2,230	2,286	2,412	-2.4	-5.2	-6.9	2,270	2,024	1,733	3,072	-26.1	13,019	11,959
Measuring and controlling devices	3,728	3,640	3,473	+2.4	+4.8	+0.4	3,984	3,637	3,343	3,349	+19.0	22,096	19,272
Medical instruments and supplies	3,054	2,984	2,935	+2.3	+1.7	+7.0	3,336	2,917	2,812	3,156	+5.7	17,937	17,155
l other durable goods	16,318	16,562	16,266	-1.5	+1.8	-1.1	17,054	16,708	16,511	17,120	-0.4	99,588	96,250
ondurable goods industries	137,337	137,544	137,516	-0.2	0.0	+0.7	143,646	137,349	135,895	135,206	+6.2	818,222	758,699
With unfilled orders	35,167	35,100	34,894	+0.2	+0.6	+1.9	35,901	34,548	34,750	32,322	+11.1	207,344	186,158

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, nich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1995[p]	May 1995[r]	Apr 1995	May-June	Apr.-May	Mar.-Apr	June 1995[p]	May 1995[r]	Apr 1995	June 1994	June 95/94
All manufacturing industries	459,686	461,937	461,984	-0.5	0.0	-0.5	460,248	466,720	467,845	450,531	+2.2
Manufacturing industries without defense capital goods	350,522	351,763	350,729	-0.4	+0.3	-0.2	351,094	355,933	355,057	336,882	+4.2
Durable goods industries	433,845	435,809	435,919	-0.5	0.0	-0.6	433,770	439,928	441,244	425,973	+1.8
Stone, clay, and glass products	7,534	7,542	7,691	-0.1	-1.9	-3.0	7,559	7,805	7,749	7,382	+2.4
Primary metals	27,968	28,435	29,149	-1.6	-2.4	-1.0	28,355	29,514	30,677	26,044	+8.9
Blast furnaces, steel mills	11,444	11,603	11,678	-1.4	-0.6	-0.5	11,616	12,061	12,415	11,189	+3.8
Iron and steel foundries	3,762	3,828	3,958	-1.7	-3.3	+0.8	3,747	3,850	4,011	3,515	+6.6
Nonferrous and other primary metals	12,762	13,004	13,513	-1.9	-3.8	-2.0	12,992	13,603	14,251	11,340	+14.6
Fabricated metal products	21,379	21,453	21,161	-0.3	+1.4	+0.3	21,398	21,539	21,316	20,550	+4.1
Industrial machinery and equipment	73,490	72,172	71,808	+1.8	+0.5	+0.1	72,951	72,387	71,920	60,070	+21.4
Engines and turbines	10,364	9,850	10,013	+5.2	-1.6	-1.0	9,963	9,317	9,555	9,647	+3.3
Construction, mining and material handling equipment	7,882	7,848	7,743	+0.4	+1.4	+0.3	7,843	7,981	7,953	6,591	+19.0
Metalworking machinery	11,161	11,158	10,901	0.0	+2.4	+2.3	11,161	11,158	10,901	9,126	+22.3
Computer and office equipment	12,559	11,961	12,420	+5.0	-3.7	-0.2	12,798	12,434	12,275	9,420	+35.9
Electronic and other electrical equipment	51,996	52,448	51,279	-0.9	+2.3	+1.7	51,896	53,625	52,675	46,413	+11.8
Electrical transmission and distribution equipment and industrial apparatus	5,996	6,086	6,065	-1.5	+0.3	+0.6	5,972	6,091	6,077	6,023	-0.8
Electric lighting and wiring equipment	3,814	3,887	3,873	-1.9	+0.4	0.0	3,814	3,887	3,873	3,450	+10.6
Communications equipment	16,476	16,805	16,217	-2.0	+3.6	+0.2	16,473	16,789	16,276	14,544	+13.3
Electronic components	20,277	20,256	19,730	+0.1	+2.7	+4.8	20,378	21,532	21,152	16,633	+22.5
Transportation equipment	197,253	199,051	199,884	-0.9	-0.4	-1.3	197,544	200,014	201,668	208,834	-5.4
Aircraft, missiles, space vehicles, and parts.	166,359	168,153	168,254	-1.1	-0.1	-1.2	166,774	169,048	169,754	180,429	-7.6
Shipbuilding and tanks	18,038	18,031	18,369	0.0	-1.8	-2.6	18,125	18,084	18,428	16,698	+8.5
Instruments and related products	46,278	46,524	46,966	-0.5	-0.9	-0.4	45,849	46,269	46,940	48,527	-5.5
Search and navigation equipment	30,056	30,270	30,507	-0.7	-0.8	-0.7	29,634	30,004	30,481	31,729	-6.6
Measuring and controlling devices	9,722	9,702	9,722	+0.2	-0.2	+0.7	9,722	9,702	9,722	9,119	+6.6
Medical instruments and supplies	5,674	5,713	5,884	-0.7	-2.9	-0.9	5,674	5,713	5,884	6,877	-17.5
All other durable goods	7,947	8,184	7,981	-2.9	+2.5	-0.5	8,218	8,775	8,299	8,153	+0.8
Nondurable goods industries	25,841	26,128	26,065	-1.1	+0.2	+0.7	26,478	26,792	26,601	24,558	+7.8

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1995[p]	May 1995[r]	Apr. 1995	May-June	Apr.-May	Mar.-Apr.	June 1995[p]	May 1995[r]	Apr. 1995	June 1994	June 95/94
All manufacturing industries	408,942	408,289	405,678	+0.2	+0.6	+0.9	408,070	412,496	407,559	381,411	+7.0
Manufacturing industries with unfilled orders	273,243	272,536	270,365	+0.3	+0.8	+1.0	273,971	276,650	272,160	253,976	+7.9
without defense capital goods	386,930	386,279	383,707	+0.2	+0.7	+1.0	385,880	390,082	385,546	356,791	+8.2
Durable goods industries	256,847	256,787	255,334	0.0	+0.6	+0.8	256,441	260,036	256,567	240,275	+6.7
With unfilled orders	235,538	235,229	233,723	+0.1	+0.6	+0.9	235,734	238,593	234,876	220,417	+6.9
Stone, clay, and glass products	8,355	8,278	8,092	+0.9	+2.3	+2.6	8,441	8,498	8,321	7,408	+13.9
Primary metals	21,850	21,741	21,716	+0.5	+0.1	+1.1	21,681	21,760	21,777	19,540	+11.0
Blast furnaces, steel mills	10,475	10,381	10,361	+0.9	+0.2	+1.8	10,286	10,256	10,215	9,370	+9.8
Iron and steel foundries	1,648	1,638	1,631	+0.6	+0.4	+1.1	1,668	1,683	1,673	1,524	+9.4
Nonferrous and other primary metals	9,727	9,722	9,724	+0.1	0.0	+0.3	9,727	9,821	9,889	8,646	+12.5
Fabricated metal products	25,484	25,535	25,399	-0.2	+0.5	+1.0	25,766	25,876	25,734	23,432	+10.0
Industrial machinery and equipment	52,215	52,320	51,728	-0.2	+1.1	+0.9	51,758	52,905	51,770	47,966	+7.9
Engines and turbines	3,866	3,783	3,715	+2.2	+1.8	-5.7	3,830	3,815	3,728	3,571	+7.3
Farm and garden machinery	2,778	2,780	2,816	-0.1	-1.3	-1.5	2,567	2,641	2,757	2,336	+9.9
Construction, mining and material handling equipment	6,485	6,489	6,411	-0.1	+1.2	+0.5	6,517	6,580	6,499	5,823	+11.9
Metalworking machinery	6,087	6,077	5,970	+0.2	+1.8	+0.9	6,111	6,122	6,005	5,520	+10.7
Computer and office equipment	11,206	11,460	11,273	-2.2	+1.7	+2.7	10,915	11,718	11,076	11,576	-5.7
Electronic and other electrical equipment	43,710	43,260	42,996	+1.0	+0.6	+1.0	44,018	44,268	43,509	36,802	+19.6
Electrical transmission and distribution equipment and industrial apparatus	4,810	4,807	4,815	+0.1	-0.2	-0.3	4,838	4,877	4,872	4,425	+9.3
Household appliances	2,865	2,888	2,905	-0.8	-0.6	-0.3	2,957	3,147	3,120	2,675	+10.5
Electric lighting and wiring equipment	3,242	3,279	3,209	-1.1	+2.2	+1.6	3,326	3,362	3,244	3,033	+9.7
Household audio and video equipment	1,551	1,541	1,512	+0.6	+1.9	+5.2	1,653	1,575	1,483	1,165	+41.9
Communications equipment	14,118	14,015	13,906	+0.7	+0.8	+1.6	14,117	14,510	14,159	10,728	+31.6
Electronic components	13,449	13,125	12,984	+2.5	+1.1	+0.6	13,382	13,108	12,926	11,395	+17.4
Transportation equipment	58,609	59,221	58,856	-1.0	+0.6	+0.4	57,953	59,820	58,644	59,471	-2.6
Motor vehicles and parts	12,307	12,450	12,404	-1.1	+0.4	+0.9	11,868	12,244	12,236	11,513	+3.1
Aircraft, missiles, space vehicles, and parts	41,801	42,006	41,728	-0.5	+0.7	0.0	41,645	42,780	41,642	44,034	-5.4
Shipbuilding and tanks	1,501	1,517	1,518	-1.1	-0.1	-2.6	1,513	1,579	1,570	1,465	+3.3
Instruments and related products	22,127	21,846	21,963	+1.3	-0.5	+0.1	22,348	22,114	22,125	22,166	+0.8
Search and navigation equipment	5,431	5,382	5,513	+0.9	-2.4	-1.2	5,481	5,428	5,550	5,851	-6.3
Measuring and controlling devices	7,100	6,984	6,969	+1.7	+0.2	+1.3	7,164	7,065	7,028	6,525	+9.8
Medical instruments and supplies	6,124	6,095	6,099	+0.5	-0.1	+0.5	6,179	6,177	6,115	6,269	-1.4
Photographic goods	2,594	2,507	2,501	+3.5	+0.2	-0.8	2,635	2,558	2,539	2,692	-2.1
All other durable goods	24,497	24,586	24,584	-0.4	0.0	+1.2	24,476	24,795	24,687	23,490	+4.2
Nondurable goods industries	152,095	151,502	150,344	+0.4	+0.8	+1.0	151,629	152,460	150,992	141,136	+7.4
With unfilled orders	37,705	37,307	36,642	+1.1	+1.8	+1.8	38,237	38,057	37,284	33,559	+13.9
Food and kindred products	31,056	31,034	31,165	+0.1	-0.4	-0.4	29,542	29,836	30,303	29,118	+1.5
Meat products	3,581	3,522	3,465	+1.7	+1.6	-0.7	3,660	3,588	3,524	3,493	+4.8
Dairy products	2,612	2,604	2,812	+0.3	-7.4	+0.4	2,711	2,698	2,880	2,788	-2.8
Beverages	5,330	5,343	5,331	-0.2	+0.2	+0.1	5,303	5,348	5,359	5,283	+0.4
All other foods, except fats and oils	17,986	18,030	18,062	-0.2	-0.2	-0.3	16,367	16,651	16,987	15,807	+3.5
Tobacco products	5,317	5,336	5,404	-0.4	-1.3	-1.6	5,030	5,173	5,412	5,654	-11.0
Textile mill products	10,254	10,182	10,108	+0.7	+0.7	+0.9	10,388	10,583	10,411	9,764	+6.4
Broadwoven fabrics and other textiles	5,756	5,691	5,628	+1.1	+1.1	+0.9	5,773	5,857	5,789	5,415	+6.6
Paper and allied products	15,381	15,050	14,759	+2.2	+2.0	+2.1	15,531	15,393	15,130	13,517	+14.9
Pulp, paper, and paperboard mill products	5,922	5,768	5,663	+2.7	+1.9	+1.7	5,958	5,911	5,808	5,691	+4.7
Paperboard containers and boxes	4,346	4,190	4,058	+3.7	+3.3	+4.0	4,394	4,227	4,144	3,215	+36.7
Miscellaneous converted paper products	5,113	5,092	5,038	+0.4	+1.1	+1.1	5,179	5,255	5,178	4,611	+12.3
Chemicals and allied products	35,841	35,716	35,254	+0.3	+1.3	+1.6	35,613	36,024	35,582	33,735	+5.6
Industrial chemicals	17,749	17,730	17,429	+0.1	+1.7	+2.5	17,625	17,760	17,427	15,912	+10.8
Drugs, soaps, and toiletries	13,095	13,104	13,059	-0.1	+0.3	+0.2	13,265	13,437	13,128	13,708	-3.2
Petroleum and coal products	11,212	11,297	11,235	-0.8	+0.6	+1.3	11,423	11,547	11,191	10,557	+8.2
Rubber and plastics products	14,273	14,178	14,129	+0.7	+0.3	+1.9	14,214	14,342	14,376	12,370	+14.9
All other nondurable goods	28,761	28,709	28,290	+0.2	+1.5	+1.2	29,888	29,562	28,587	26,421	+13.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1995p	May 1995r	Apr 1995	May-June	Apr - May	Mar - Apr	June 1995p	May 1995r	Apr 1995	June 1994	June 95/94	1995p	1994
SHIPMENTS													
All manufacturing industries	298,652	297,093	295,293	+0.5	+0.6	-1.1	320,481	298,324	292,233	300,347	+6.7	1,788,490	1,649,946
Market categories													
Automotive equipment	13,720	13,629	13,823	+0.7	-1.4	-6.0	14,837	14,917	14,787	15,033	-1.3	89,853	86,591
Home goods and apparel	19,743	19,475	19,481	+1.4	0.0	-1.2	20,475	18,153	18,188	19,604	+4.4	113,792	108,626
Consumer staples	60,166	60,469	60,854	-0.5	-0.6	+1.3	62,673	59,879	58,701	61,363	+2.1	355,378	342,804
Machinery and equipment	54,502	53,380	53,152	+2.1	+0.4	-1.1	61,819	53,249	52,009	56,214	+10.0	324,475	293,286
Business supplies	22,496	22,279	22,204	+1.0	+0.3	+0.8	23,357	22,335	22,613	21,752	+7.4	132,727	122,620
Construction materials and supplies	18,311	18,341	18,110	-0.2	+1.3	-2.4	19,839	18,751	18,141	19,366	+2.4	110,511	105,094
Defense products	6,953	7,061	7,036	-1.5	+0.4	-1.7	7,379	6,805	6,631	7,745	-4.7	41,433	42,827
Other materials, supplies and and intermediate products	102,761	102,459	100,633	+0.3	+1.8	-1.8	110,102	104,235	101,163	99,270	+10.9	620,321	548,098
Durable goods industries													
Nondefense capital goods [3]	42,858	41,885	41,366	+2.3	+1.3	-0.1	49,724	40,261	38,948	43,342	+14.7	248,149	216,922
Excluding aircraft and parts	37,817	37,098	36,002	+1.9	+3.0	-1.0	43,572	35,725	33,683	37,643	+15.8	217,645	187,956
Defense capital goods [4]	6,443	6,629	6,534	-2.8	+1.5	-1.6	6,888	6,360	6,063	7,370	-6.5	38,221	40,277
Durables excluding capital goods	111,727	111,098	110,070	+0.6	+0.9	-3.0	119,909	114,545	111,863	114,389	+4.8	686,056	637,875
Miscellaneous series													
Producers' durable equipment	103,021	101,485	101,014	+1.5	+0.5	-2.3	114,594	102,857	100,270	107,699	+6.4	625,420	581,772
Household durable goods	8,459	8,326	8,264	+1.6	+0.8	-1.4	8,731	7,876	7,882	8,371	+4.3	48,797	46,327
Information technology industries	20,929	20,587	19,659	+1.7	+4.7	-1.8	25,084	19,133	17,289	21,348	+17.5	117,641	101,648
Health care equipment and products	8,596	8,714	8,510	-1.4	+2.4	-2.0	9,134	8,228	8,109	9,129	+0.1	51,324	50,178
NEW ORDERS													
All manufacturing industries	296,401	297,046	293,069	-0.2	+1.4	-2.2	314,009	297,199	291,915	298,809	+5.1	1,796,970	1,662,119
Market categories													
Automotive equipment	13,719	13,601	13,801	+0.9	-1.4	-6.1	14,783	14,854	14,759	15,052	-1.8	89,751	86,710
Home goods and apparel	19,606	20,104	19,495	-2.5	+3.1	-0.5	20,286	18,915	18,507	19,451	+4.3	116,380	111,011
Consumer staples	60,180	60,525	60,880	-0.6	-0.6	+1.4	62,747	59,913	58,719	61,416	+2.2	355,478	342,799
Machinery and equipment	54,038	54,317	52,133	-0.5	+4.2	-4.9	60,641	54,214	51,405	56,493	+7.3	328,135	294,629
Business supplies	22,392	22,292	22,331	+0.4	-0.2	+1.2	23,141	22,433	22,760	21,629	+7.0	133,128	122,960
Construction materials and supplies	18,092	18,310	17,961	-1.2	+1.9	-2.3	19,472	18,845	18,035	19,487	-0.1	110,863	106,400
Defense products	5,845	6,069	5,767	-3.7	+5.2	-26.5	5,714	4,903	4,979	7,843	-27.1	37,626	39,733
Other materials, supplies and and intermediate products	102,529	101,828	100,701	+0.7	+1.1	-1.4	107,225	103,122	102,751	97,438	+10.0	625,609	557,877
Durable goods industries													
Nondefense capital goods [3]	42,761	43,115	40,072	-0.8	+7.6	-6.0	48,971	41,474	37,866	43,450	+12.7	252,172	218,919
Excluding aircraft and parts	38,817	37,831	36,046	+2.6	+5.0	-5.7	43,916	36,441	33,939	38,910	+12.9	224,854	195,541
Defense capital goods [4]	5,433	5,548	5,169	-2.1	+7.3	-27.8	5,255	4,359	4,422	7,280	-27.8	34,270	36,788
Durables excluding capital goods	110,870	110,839	110,312	0.0	+0.5	-2.6	116,137	114,017	113,732	112,873	+2.9	692,306	647,713
Miscellaneous series													
Producers' durable equipment	102,372	102,595	99,817	-0.2	+2.8	-4.4	112,618	104,037	99,562	108,579	+3.7	630,621	587,836
Household durable goods	8,605	8,620	7,964	-0.2	+8.2	-5.2	8,708	8,187	7,837	8,236	+5.7	49,748	47,516
Information technology industries	21,054	20,588	19,766	+2.3	+4.2	-4.1	24,968	19,778	17,772	21,768	+14.7	120,692	103,787
Health care equipment and products	8,555	8,543	8,458	+0.1	+1.0	+1.5	9,093	8,058	8,057	8,994	+1.1	50,707	49,599

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and m handling equipment, metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and s industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and e and parts, ships and tank components, railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, and tank components, and search and navigation equipment

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 95/94
	June 1995[p]	May 1995[r]	Apr. 1995	May-June	Apr.-May	Mar.-Apr.	June 1995[p]	May 1995[r]	Apr. 1995	June 1994	
UNFILLED ORDERS											
All manufacturing industries	459,686	461,937	461,984	-0.5	0.0	-0.5	460,248	466,720	467,845	450,531	+2.2
Market categories :											
Automotive equipment	2,108	2,108	2,137	0.0	-1.4	-1.0	2,045	2,099	2,162	2,021	+1.2
Home goods and apparel	10,476	10,613	9,983	-1.3	+6.3	+0.1	10,918	11,106	10,344	11,048	-1.2
Consumer staples	1,734	1,719	1,663	+0.9	+3.4	+1.6	1,732	1,657	1,623	1,472	+17.7
Machinery and equipment	184,520	184,984	184,047	-0.3	+0.5	-0.6	184,492	185,670	184,705	181,567	+1.6
Business supplies	6,150	6,255	6,241	-1.7	+0.2	+2.1	6,210	6,426	6,328	5,707	+8.8
Construction materials and supplies	15,639	15,857	15,889	-1.4	-0.2	-0.9	15,791	16,158	16,064	15,181	+4.0
Defense products	103,454	104,563	105,555	-1.1	-0.9	-1.2	103,430	105,095	106,997	107,815	-4.1
Other materials, supplies and and intermediate products	135,605	135,838	136,469	-0.2	-0.5	0.0	135,630	138,509	139,622	125,720	+7.9
Durable goods industries :											
Nondefense capital goods [3]	204,344	204,441	203,211	0.0	+0.6	-0.6	203,939	204,692	203,479	199,334	+2.3
Excluding aircraft and parts	98,621	97,621	96,888	+1.0	+0.8	0.0	98,216	97,872	97,156	83,243	+18.0
Defense capital goods [4]	109,164	110,174	111,255	-0.9	-1.0	-1.2	109,154	110,787	112,788	113,649	-4.0
Durables excluding capital goods	120,337	121,194	121,453	-0.7	-0.2	+0.2	120,677	124,449	124,977	112,990	+6.8
Miscellaneous series :											
Producers' durable equipment	219,385	220,034	218,924	-0.3	+0.5	-0.5	218,915	220,891	219,711	212,207	+3.2
Household durable goods	6,032	5,886	5,592	+2.5	+5.3	-5.1	6,148	6,171	5,860	6,024	+2.1
Information technology industries	39,733	39,608	39,607	+0.3	0.0	+0.3	39,980	40,096	39,451	34,225	+16.8
Health care equipment and products	5,706	5,746	5,917	-0.7	-2.9	-0.9	5,706	5,746	5,916	6,907	-17.4
TOTAL INVENTORIES											
All manufacturing industries	408,942	408,289	405,678	+0.2	+0.6	+0.9	408,070	412,496	407,559	381,411	+7.0
Market categories :											
Automotive equipment	6,566	6,636	6,613	-1.1	+0.3	+1.0	6,361	6,609	6,600	5,897	+7.9
Home goods and apparel	33,871	33,809	33,684	+0.2	+0.4	+1.0	35,135	35,192	34,209	32,113	+9.4
Consumer staples	58,842	58,954	58,949	-0.2	0.0	+0.1	57,615	58,283	58,239	56,798	+1.4
Machinery and equipment	99,164	99,392	98,595	-0.2	+0.8	+0.8	98,585	101,107	99,040	91,183	+8.1
Business supplies	23,726	23,644	23,313	+0.3	+1.4	+1.6	23,781	23,891	23,619	20,898	+13.8
Construction materials and supplies	26,163	26,236	26,059	-0.3	+0.7	+1.4	26,425	26,631	26,435	24,715	+6.9
Defense products	21,382	21,335	21,230	+0.2	+0.5	-0.9	21,556	21,707	21,276	23,706	-9.1
Other materials, supplies and and intermediate products	139,228	138,283	137,235	+0.7	+0.8	+1.4	138,612	139,076	138,141	126,101	+9.9
Durable goods industries :											
Nondefense capital goods [3]	93,965	94,311	93,468	-0.4	+0.9	+0.9	93,550	96,149	93,881	86,267	+8.4
Excluding aircraft and parts	67,706	67,953	67,215	-0.4	+1.1	+1.2	67,580	69,374	67,688	60,087	+12.5
Defense capital goods [4]	22,012	22,010	21,971	0.0	+0.2	-0.7	22,190	22,414	22,013	24,620	-9.9
Durables excluding capital goods	140,870	140,466	139,895	+0.3	+0.4	+1.0	140,701	141,473	140,673	129,388	+8.7
Miscellaneous series :											
Producers' durable equipment	159,872	159,989	158,999	-0.1	+0.6	+0.9	159,465	162,312	159,783	146,779	+8.6
Household durable goods	14,872	14,844	14,842	+0.2	0.0	+1.6	15,195	15,288	14,994	13,886	+9.4
Information technology industries	35,607	35,601	35,301	0.0	+0.8	+1.7	35,411	36,490	35,441	32,256	+9.8
Health care equipment and products	13,262	13,237	13,217	+0.2	+0.2	+0.3	13,407	13,499	13,272	13,713	-2.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1995[p]	May 1995[r]	Apr. 1995	May-June	Apr.-May	Mar.-Apr.	June 1995[p]	May 1995[r]	Apr. 1995	June 1994	June 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	134,682	134,147	133,208	+0.4	+0.7	+1.0	134,063	133,757	132,779	121,883	+10.0
Durable goods industries	78,034	77,927	77,494	+0.1	+0.6	+1.1	77,374	77,535	76,769	70,139	+10.3
Stone, clay, and glass products	2,821	2,801	2,752	+0.7	+1.8	+2.0	2,835	2,798	2,726	2,525	+12.3
Primary metals	6,727	6,725	6,688	0.0	+0.6	-0.9	6,647	6,554	6,513	5,965	+11.4
Fabricated metal products	8,977	9,084	9,000	-1.2	+0.9	+2.9	8,964	8,953	8,871	7,939	+12.9
Industrial machinery and equipment	17,353	17,746	17,567	-2.2	+1.0	+1.1	17,186	17,868	17,447	15,414	+11.5
Electronic and other electrical equipment	15,127	14,618	14,542	+3.5	+0.5	+1.8	15,102	14,689	14,626	11,771	+28.3
Transportation equipment	10,281	10,278	10,307	0.0	-0.3	0.0	10,155	10,319	10,305	10,788	-5.9
Instruments and related products	6,945	6,902	6,871	+0.6	+0.5	+0.9	6,990	6,957	6,884	6,722	+4.0
Lumber, furniture and miscellaneous durable goods	9,803	9,773	9,767	+0.3	+0.1	+1.2	9,495	9,397	9,397	9,015	+5.3
Nondurable goods industries	56,648	56,220	55,714	+0.8	+0.9	+0.8	56,689	56,222	56,010	51,744	+9.6
Food and kindred products	10,145	10,049	9,974	+1.0	+0.8	-1.5	9,997	9,845	9,978	9,875	+1.2
Tobacco products	4,614	4,645	4,691	-0.7	-1.0	+0.6	4,413	4,565	4,751	4,829	-8.6
Textile mill products	3,021	2,995	2,979	+0.9	+0.5	+2.3	3,064	3,094	3,028	2,795	+9.6
Paper and allied products	8,006	7,824	7,633	+2.3	+2.5	+2.5	8,011	7,838	7,688	6,601	+21.4
Chemicals and allied products	11,763	11,663	11,597	+0.9	+0.6	+0.3	11,810	11,716	11,614	11,192	+5.5
Petroleum and coal products	3,358	3,331	3,423	+0.8	-2.7	-1.4	3,474	3,447	3,482	3,151	+10.3
Rubber and plastics products	5,389	5,347	5,365	+0.8	-0.3	+1.8	5,333	5,349	5,408	4,517	+18.1
Apparel, printing and publishing and leather goods	10,352	10,366	10,052	-0.1	+3.1	+2.4	10,587	10,368	10,061	8,784	+20.5
WORK IN PROCESS											
All manufacturing industries	132,326	132,906	132,123	-0.4	+0.6	+0.8	131,610	133,912	132,101	128,762	+2.2
Durable goods industries	107,730	108,408	107,840	-0.6	+0.5	+0.9	107,376	109,562	107,821	105,479	+1.8
Stone, clay, and glass products	1,344	1,295	1,258	+3.8	+2.9	+2.4	1,374	1,347	1,331	1,057	+30.0
Primary metals	8,134	8,101	8,037	+0.4	+0.8	+1.4	8,086	8,114	8,092	7,320	+10.5
Fabricated metal products	7,992	7,964	7,965	+0.4	0.0	+0.2	7,957	8,032	7,986	7,432	+7.1
Industrial machinery and equipment	19,551	19,492	19,324	+0.3	+0.9	+1.7	19,362	19,625	19,172	19,081	+1.5
Electronic and other electrical equipment	16,405	16,582	16,611	-1.1	-0.2	-0.3	16,393	16,894	16,723	15,113	+8.5
Transportation equipment	40,004	40,636	40,174	-1.6	+1.1	+1.2	39,751	41,086	39,924	41,060	-3.2
Instruments and related products	9,245	9,223	9,350	+0.2	-1.4	-0.2	9,359	9,288	9,414	9,415	-0.6
Lumber, furniture and miscellaneous durable goods	5,055	5,115	5,121	-1.2	-0.1	+0.7	5,094	5,176	5,179	5,001	+1.9
Nondurable goods industries	24,596	24,498	24,283	+0.4	+0.9	+0.4	24,234	24,350	24,280	23,283	+4.1
Food and kindred products	4,129	4,054	4,084	+1.9	-0.7	+0.6	3,846	3,708	3,910	3,832	+0.4
Tobacco products	185	178	170	+3.9	+4.7	+0.6	136	135	138	126	+7.9
Textile mill products	2,672	2,653	2,670	+0.7	-0.6	+0.8	2,667	2,704	2,703	2,558	+4.3
Paper and allied products	1,389	1,376	1,357	+0.9	+1.4	+2.6	1,428	1,402	1,389	1,228	+16.3
Chemicals and allied products	5,554	5,482	5,381	+1.3	+1.9	-0.2	5,521	5,561	5,373	5,458	+1.2
Petroleum and coal products	2,291	2,381	2,246	-3.8	+6.0	-0.4	2,327	2,404	2,248	2,303	+1.0
Rubber and plastics products	2,147	2,121	2,055	+1.2	+3.2	+0.5	2,086	2,105	2,051	1,770	+17.9
Apparel, printing and publishing and leather goods	6,229	6,253	6,320	-0.4	-1.1	+0.5	6,223	6,331	6,468	6,008	+3.6
FINISHED GOODS											
All manufacturing industries	141,934	141,236	140,347	+0.5	+0.6	+0.9	142,397	144,827	142,679	130,766	+8.9
Durable goods industries	71,083	70,452	70,000	+0.9	+0.6	+0.4	71,691	72,939	71,977	64,657	+10.9
Stone, clay, and glass products	4,190	4,182	4,082	+0.2	+2.4	+3.0	4,232	4,353	4,264	3,826	+10.6
Primary metals	6,989	6,915	6,991	+1.1	-1.1	+2.6	6,948	7,092	7,172	6,255	+11.1
Fabricated metal products	8,515	8,487	8,434	+0.3	+0.6	-0.3	8,845	8,891	8,877	8,061	+9.7
Industrial machinery and equipment	15,311	15,082	14,837	+1.5	+1.7	-0.5	15,210	15,412	15,151	13,471	+12.9
Electronic and other electrical equipment	12,178	12,060	11,843	+1.0	+1.8	+1.9	12,523	12,685	12,160	9,918	+26.3
Transportation equipment	8,324	8,307	8,375	+0.2	-0.8	-3.1	8,047	8,415	8,415	7,623	+5.6
Instruments and related products	5,937	5,721	5,742	+3.8	-0.4	-0.3	5,999	5,869	5,827	6,029	-0.5
Lumber, furniture and miscellaneous durable goods	9,639	9,698	9,696	-0.6	0.0	+1.6	9,887	10,222	10,111	9,474	+4.4
Nondurable goods industries	70,851	70,784	70,347	+0.1	+0.6	+1.4	70,706	71,888	70,702	66,109	+7.0
Food and kindred products	16,782	16,931	17,107	-0.9	-1.0	0.0	15,699	16,283	16,415	15,411	+1.9
Tobacco products	518	513	543	+1.0	-5.5	-17.4	481	473	523	699	-31.2
Textile mill products	4,561	4,534	4,459	+0.6	+1.7	0.0	4,657	4,785	4,680	4,411	+5.6
Paper and allied products	5,986	5,850	5,769	+2.3	+1.4	+1.5	6,092	6,153	6,053	5,688	+7.1
Chemicals and allied products	18,524	18,571	18,276	-0.3	+1.6	+3.0	18,282	18,747	18,595	17,085	+7.0
Petroleum and coal products	5,563	5,585	5,566	-0.4	+0.3	+3.8	5,622	5,696	5,461	5,103	+10.2
Rubber and plastics products	6,737	6,710	6,709	+0.4	0.0	+2.4	6,795	6,888	6,917	6,083	+11.7
Apparel, printing and publishing and leather goods	12,180	12,090	11,918	+0.7	+1.4	+0.5	13,078	12,863	12,058	11,629	+12.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1995[p]	May 1995[r]	Apr. 1995	Mar. 1995	June 1995[p]	May 1995[r]	Apr. 1995	Mar. 1995
All manufacturing industries	1.37	1.37	1.37	1.35	2.78	2.82	2.86	2.85
Durable goods industries	1.60	1.61	1.62	1.57	3.34	3.38	3.44	3.41
Stone, clay, and glass products	1.20	1.19	1.22	1.12	1.14	1.15	1.24	1.20
Primary metals	1.44	1.43	1.46	1.40	1.85	1.87	1.95	1.92
Fabricated metal products	1.63	1.62	1.62	1.60	1.49	1.49	1.47	1.47
Industrial machinery and equipment	1.69	1.70	1.71	1.69	2.52	2.48	2.53	2.52
Electronic and other electrical equipment	1.66	1.69	1.73	1.69	1.97	2.05	2.06	2.00
Transportation equipment	1.55	1.59	1.54	1.47	10.82	11.10	10.91	10.83
Instruments and related products	1.93	1.88	1.95	1.89	4.04	4.01	4.16	4.07
Nondurable goods industries	1.11	1.10	1.09	1.09	0.73	0.75	0.75	0.75
Food and kindred products	0.86	0.87	0.86	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.96	1.79	1.79	1.93	(X)	(X)	(X)	(X)
Textile mill products	1.63	1.62	1.61	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.09	1.07	1.08	1.07	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.17	1.17	1.18	1.14	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.83	0.83	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.44	1.41	1.41	1.37	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1995	June[2] 1990-1994	June 1994-May 1995	June[1] 1995	June[2] 1990-1994	June 1994-May 1995	June[1] 1995	June[2] 1990-1994	June 1994-May 1995	June[1] 1995	June[2] 1990-1994	June 1994-May 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.1	0.2	-0.2	0.2	0.3	-0.1	0.1	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.5	0.6	(X)	1.0	1.0	(X)	0.7	0.5	(X)	0.2	0.1
Primary metals	0.2	0.2	0.4	-0.8	0.3	1.0	-0.6	0.1	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.4	0.4	(X)	0.5	0.6	(X)	0.3	0.3	(X)	0.1	0.2
Industrial machinery and equipment	0.2	0.3	0.5	-0.1	0.4	0.7	-0.2	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.2	0.4	-0.7	1.4	0.6	-0.3	0.5	0.3	(X)	0.2	0.1
Transportation equipment	-0.3	0.4	0.6	-0.2	0.2	0.9	0.1	0.1	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.8	0.5	(X)	1.4	1.0	(X)	0.1	0.2	(X)	0.1	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.8	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.5	0.2
Paper and allied products	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.7	0.1
Chemicals and allied products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Capital goods industries :												
Nondefense	0.1	0.4	0.4	-0.2	0.8	0.8	0.0	0.0	0.1	(X)	0.0	0.1
Defense	-1.7	0.2	0.5	-0.7	1.3	2.5	0.0	0.1	0.1	(X)	0.3	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

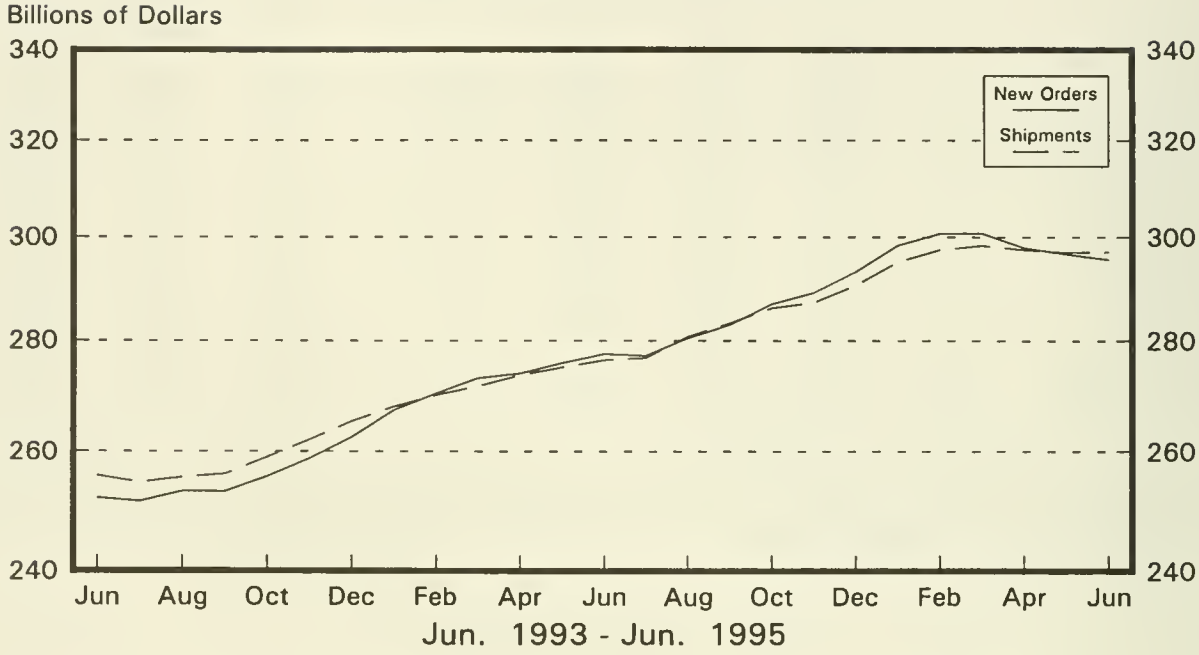
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

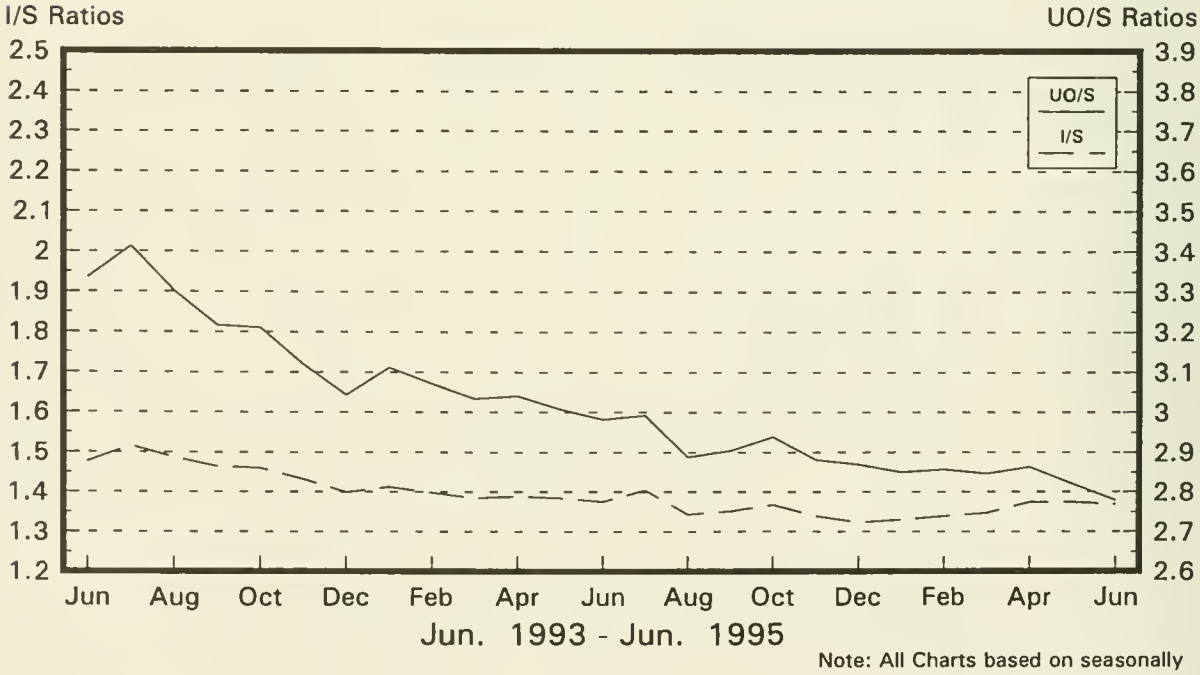
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

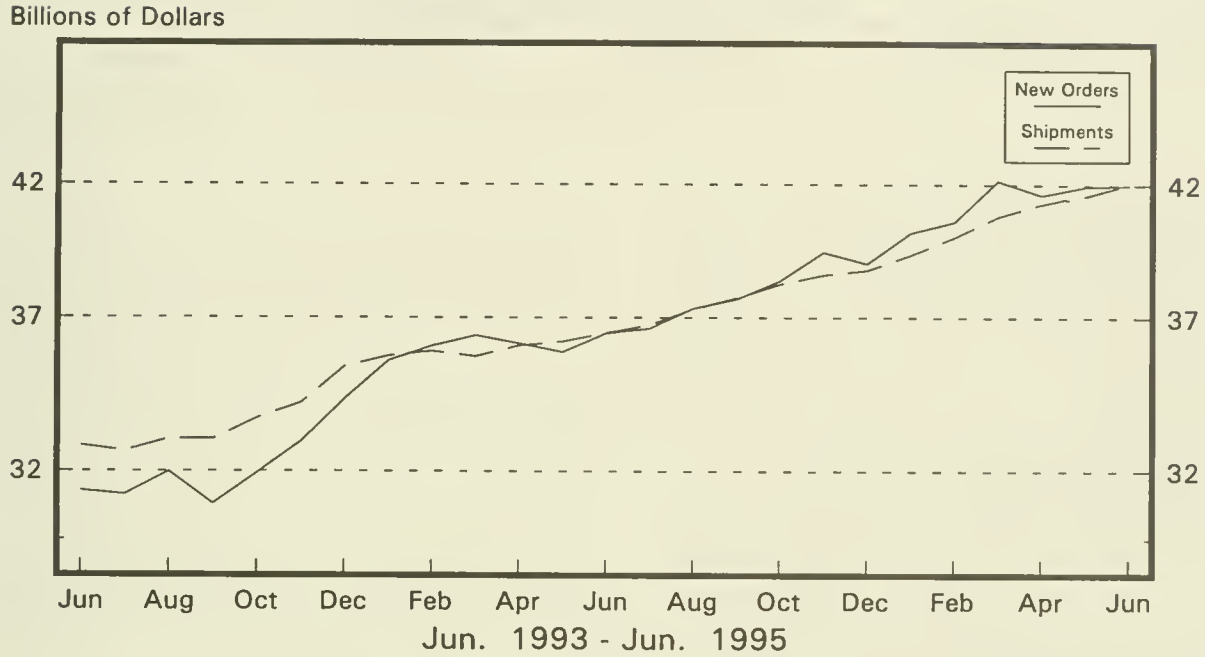
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

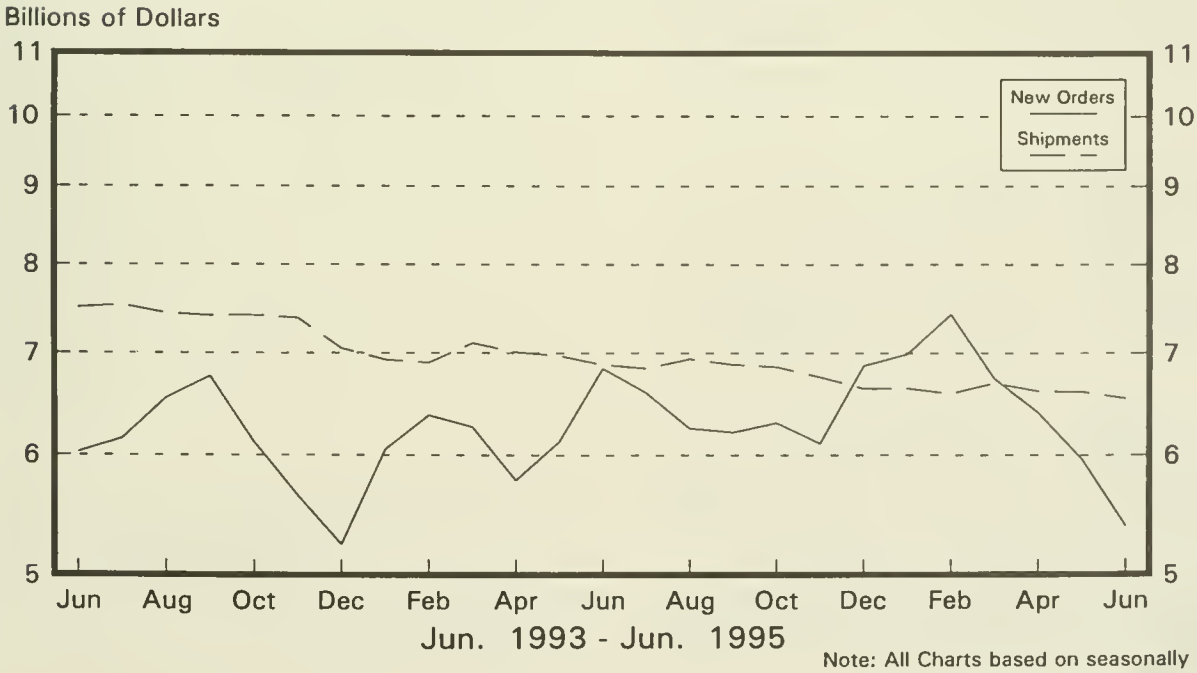
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
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July 1995
M3-1-(95)-7
For Wire Transmissions 10:00 a.m. E.D.T. August 31, 1995

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July decreased $3.8 billion or 1.3 percent to $292.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.1 percent June decrease and is the fifth decline in the last six months. Year to date, new orders are 8.1 percent above the same period a year ago.

Shipments decreased $5.9 billion or 2.0 percent to $292.8 billion. This follows a 0.5 percent June increase and is the first decline since April and the third this year. Year to date shipments are 8.3 percent above the same period a year ago.

Unfilled orders increased $0.1 billion to $460.1 billion, following three consecutive monthly declines. The unfilled orders-to-shipments ratio was 2.84, up from 2.78 in June.

Inventories increased $2.4 billion or 0.6 percent to $412.5 billion, following a 0.4 percent June increase. This is the tenth consecutive monthly increase and the seventeenth in the last nineteen months. The inventories-to-shipments ratio was 1.41, up from 1.37 in June.

New Orders

New orders for manufactured durable goods in July decreased $3.4 billion or 2.1 percent to $155.6 billion, revised from the previously published 1.7 percent decrease. The July decline follows a 0.3 percent June decrease and is the fifth this year. Nearly three-quarters of the decrease was due to motor vehicle and parts, which was heavily affected by the growing industry practice of shutting down for two weeks in July.

Transportation equipment had the largest decline, $3.0 billion or 8.2 percent to $33.1 billion, mostly due to motor vehicles and parts. This follows a 1.1 percent June decline and is the fifth this year. Industrial machinery and equipment decreased $2.1 billion or 6.7 percent to $29.8 billion. This follows a 2.4 percent June increase and is the first decline since April. Instruments and related products declined $0.4 billion or 3.5 percent to $10.9 billion, the first decline since March. Electronic and other electrical equipment had the largest increase, $1.7 billion or 6.4 percent to $28.0 billion, mostly due to electronic components and accessories. This follows a 1.8 percent June decrease. Stone, clay, and glass products, up for the third consecutive month, increased $0.2 billion or 2.3 percent to $7.3 billion.

New orders for nondurable goods decreased $0.4 billion or 0.3 percent to $137.3 billion, the first decline since March. Declines, led by petroleum and coal products and paper and allied products, more than offset increases led by textile mill products and tobacco products.

Shipments

Shipments of durable goods in July decreased $5.2 billion or 3.3 percent to $155.6 billion, revised from the previously published 2.7 percent decrease. This follows a 0.8 percent June increase and is the first decrease since April and the second since October 1994. Transportation equipment, down five of the last six months, decreased $3.2 billion or 8.6 percent to $34.6 billion; led by motor vehicles and parts, all industries declined. Electronic and other electrical equipment decreased $0.8 billion or 3.1 percent to $25.6 billion. This follows a 3.2 percent increase in June and is the fourth decline this year. Industrial machinery and equipment, down for the first month since April, decreased $0.7 billion or 2.1 percent to $30.2 billion. Instruments and related products, down four of the last five months, declined $0.3 billion or 2.6 percent to $11.1 billion. This follows a 1.5 percent June decline. Primary metals, down three of the last four months, decreased $0.3 billion or 1.8 percent to $14.7 billion. This follows a 1.2 percent June decline and is the fourth this year. Stone, clay, and glass products, up for the third consecutive month, had the largest increase, $0.1 billion or 1.4 percent to $7.2 billion.

Shipments of nondurable goods, down for the first month since March, decreased $0.6 billion or 0.5 percent to $137.2 billion. Petroleum and coal products had the largest decrease, $0.3 billion or 2.6 percent to $12.7 billion, following a 4.1 percent June decrease. Rubber and plastic products, paper and allied products, apparel and related products, and textile mill products also decreased. Tobacco products had the largest increase, $0.2 billion or 7.5 percent to $3.0 billion. Food and kindred products also increased.

Unfilled Orders

Unfilled orders for durable goods in July increased slightly to $434.1 billion, revised from the previously published slight decrease. This follows three consecutive monthly declines and seven consecutive monthly increases. Electronic and other electrical equipment had the largest increase, $2.4 billion or 4.6 percent to $54.7 billion; except for the 0.3 percent June decline, unfilled orders have increased every month since August 1994. Stone, clay, and glass products increased $0.1 billion or 1.8 percent to $7.8 billion, following a 1.0 percent June increase. Transportation equipment had the largest decline, $1.5 billion or 0.7 percent to $195.9 billion. This is the fifth consecutive monthly decline and the forty-third in the last forty-seven months. Industrial machinery and equipment decreased $0.4 billion or 0.6 percent to $72.8 billion. This is the first decline since December 1994 and the second since June 1993. Primary metals, down for the fifth consecutive month, declined $0.4 billion or 1.6 percent to $27.3 billion.

Inventories

Inventories of durable goods in July increased $2.0 billion or 0.8 percent to $259.4 billion. This follows a 0.3 percent June increase and is the seventeenth increase in the last nineteen months. Electronic and other electrical equipment had the largest increase, $0.9 billion or 2.1 percent to $44.7 billion. This follows a 1.2 percent June increase and is the nineteenth consecutive increase. Transportation equipment, up four of the last five months, increased $0.3 billion or 0.5 percent to $59.1 billion, following a 0.8 percent June decline. Industrial machinery and equipment, up five of the last seven months, increased $0.3 billion or 0.5 percent to $52.6 billion.

Inventories of nondurable goods in July increased $0.4 billion or 0.3 percent to $153.0 billion, the tenth consecutive monthly increase. Paper and allied products had the largest increase, $0.4 billion or 2.7 percent to $16.0 billion. Petroleum and coal products had the largest decline $0.3 billion or 2.6 percent to $10.9 billion. This follows a 1.2 percent June decline and is the second decline in the last ten months.

By stage of fabrication, finished goods increased 0.8 percent in durables and 0.4 percent in nondurables. Work in process increased 0.6 percent in durables and 1.0 percent in nondurables. Materials and supplies increased 1.0 percent in durables and decreased 0.1 percent in nondurables.

The advance report on durable goods for August is scheduled for September 27, 1995 at 8:30 a.m. and the full report on October 4, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94	1995[p]	1994
All manufacturing industries	292,824	298,712	297,093	-2.0	+0.5	+0.6	264,055	321,334	298,324	250,532	+5.4	2,053,398	1,900,478
Manufacturing Industries													
with unfilled orders	162,244	165,740	163,788	-2.1	+1.2	+1.5	144,102	179,989	161,859	134,095	+7.5	1,120,649	1,017,166
without defense capital goods	286,482	292,273	290,464	-2.0	+0.6	+0.6	258,343	314,418	291,964	244,368	+5.7	2,009,437	1,854,037
Durable goods industries	155,584	160,828	159,612	-3.3	+0.8	+1.0	132,505	176,759	161,166	126,385	+4.8	1,105,169	1,021,459
With unfilled orders	126,711	129,865	128,751	-2.4	+0.9	+1.7	110,195	143,259	127,502	103,728	+6.2	881,041	804,468
Stone, clay, and glass products	7,205	7,104	6,981	+1.4	+1.8	+5.4	7,026	7,783	7,056	6,558	+7.1	48,371	45,113
Primary metals	14,717	14,983	15,169	-1.8	-1.2	+1.6	13,206	15,848	15,519	11,650	+13.4	105,860	87,091
Blast furnaces, steel mills	6,042	6,220	6,370	-2.9	-2.4	+1.6	5,456	6,555	6,544	5,205	+4.8	44,532	39,366
Iron and steel foundries	1,316	1,314	1,326	+0.2	-0.9	+4.9	1,024	1,405	1,387	935	+9.5	9,237	8,154
Nonferrous and other primary metals	7,359	7,449	7,473	-1.2	-0.3	+1.2	6,726	7,888	7,588	5,510	+22.1	52,091	39,571
Fabricated metal products	15,742	15,642	15,719	+0.6	-0.5	+0.2	14,065	16,632	16,044	13,509	+4.1	109,522	104,029
Industrial machinery and equipment	30,240	30,894	30,816	-2.1	+0.3	+2.1	25,656	35,694	30,237	23,495	+9.2	209,955	185,146
Engines and turbines	1,742	1,721	1,984	+1.2	-13.3	-1.7	1,222	1,952	1,928	1,202	+1.7	12,416	11,956
Farm and garden machinery	1,843	1,789	1,726	+3.0	+3.7	-5.6	1,375	1,816	2,068	1,334	+3.1	14,164	13,400
Construction, mining and material handling equipment	3,250	3,204	3,153	+1.4	+1.6	+2.0	2,941	3,482	3,263	2,513	+17.0	22,478	18,905
Metalworking machinery	3,428	3,451	3,303	-0.7	+4.5	-2.0	2,825	3,768	3,237	2,472	+14.3	22,490	18,795
Computer and office equipment	8,437	8,719	8,790	-3.2	-0.8	+7.0	6,463	11,490	7,653	5,646	+14.5	55,477	47,799
Electronic and other electrical equipment	25,622	26,454	25,627	-3.1	+3.2	+3.1	22,624	28,847	24,951	20,290	+11.5	172,077	149,996
Electrical transmission and distribution equipment and industrial apparatus	2,849	2,937	2,803	-3.0	+4.8	+2.1	2,527	3,240	2,788	2,353	+7.4	19,856	18,086
Household appliances	1,835	1,875	1,875	-2.1	0.0	+2.6	1,756	2,140	1,905	1,803	-2.6	13,079	12,996
Electric lighting and wiring equipment	1,877	1,864	1,899	+0.7	-1.8	-1.4	1,569	1,956	1,885	1,529	+2.6	13,062	12,031
Household audio and video equipment	1,176	1,133	1,145	+3.8	-1.0	+1.9	1,058	1,006	947	948	+11.6	6,915	6,169
Communications equipment	6,043	6,513	6,023	-7.2	+8.1	+2.1	5,054	7,384	5,655	4,354	+16.1	39,877	32,181
Electronic components	10,024	10,002	9,613	+0.2	+4.0	+5.6	9,162	10,865	9,590	7,373	+24.3	65,347	53,762
Transportation equipment	34,579	37,812	37,332	-8.6	+1.3	-2.1	24,984	41,884	39,559	25,997	-3.9	267,621	265,314
Motor vehicles and parts	23,756	26,141	25,989	-9.1	+0.6	-1.9	15,372	28,813	28,576	16,392	-6.2	189,533	188,575
Aircraft, missiles, space vehicles, and parts	8,097	8,465	8,301	-4.3	+2.0	-5.4	7,109	9,818	7,846	7,291	-2.5	57,509	57,917
Shipbuilding and tanks	808	856	847	-5.6	+1.1	+3.0	763	907	854	807	-5.5	5,843	7,003
Instruments and related products	11,139	11,437	11,609	-2.6	-1.5	+2.9	9,913	12,536	11,568	9,795	+1.2	78,375	74,654
Search and navigation equipment	2,380	2,451	2,523	-2.9	-2.9	-3.4	2,084	2,679	2,501	2,306	-9.6	17,215	16,826
Measuring and controlling devices	3,509	3,678	3,660	-4.6	+0.5	+7.5	3,067	3,947	3,657	2,806	+9.3	24,673	21,791
Medical instruments and supplies	3,054	3,090	3,155	-1.2	-2.1	+5.6	2,794	3,381	3,088	2,775	+0.7	21,355	20,509
Photographic goods	1,787	1,801	1,859	-0.8	-3.1	-0.2	1,569	2,070	1,898	1,572	-0.2	12,304	13,000
All other durable goods	16,340	16,502	16,359	-1.0	+0.9	+0.3	15,031	17,535	16,232	15,091	-0.4	113,388	110,110
Nondurable goods industries	137,240	137,884	137,481	-0.5	+0.3	+0.1	131,550	144,575	137,158	124,147	+6.0	948,229	879,019
With unfilled orders	35,533	35,875	35,037	-1.0	+2.4	+1.0	33,907	36,730	34,357	30,367	+11.7	239,608	212,698
Food and kindred products	36,155	36,009	35,743	+0.4	+0.7	-1.5	34,509	37,163	35,752	33,698	+2.4	247,806	243,457
Meat products	8,439	8,280	7,986	+1.9	+3.7	-4.6	8,346	8,524	8,169	7,946	+5.0	56,706	55,49[illegible]
Dairy products	4,567	4,588	4,613	-0.5	-0.5	-1.0	4,476	4,825	4,690	4,488	-0.3	32,565	32,15[illegible]
Beverages	5,367	5,339	5,312	+0.5	+0.5	-0.7	5,609	6,163	5,782	5,426	+3.4	37,386	36,38[illegible]
All other foods, except fats and oils	16,073	15,979	16,049	+0.6	-0.4	+0.1	14,369	15,828	15,328	14,190	+1.3	107,930	106,78[illegible]
Tobacco products	2,966	2,758	2,980	+7.5	-7.4	-1.6	2,841	2,899	3,120	2,516	+12.9	19,897	18,63[illegible]
Textile mill products	6,169	6,267	6,301	-1.6	-0.5	+0.3	5,448	6,933	6,296	5,511	-1.1	43,188	41,75[illegible]
Broadwoven fabrics and other textiles	3,742	3,849	3,886	-2.8	-1.0	-0.5	3,192	4,199	3,979	3,317	-3.8	26,921	26,01[illegible]
Paper and allied products	14,016	14,220	14,003	-1.4	+1.5	+2.4	13,710	14,878	13,932	11,144	+23.0	95,678	76,87[illegible]
Pulp, paper, and paperboard mill products	6,169	6,235	6,140	-1.1	+1.5	+1.7	6,101	6,482	6,111	4,457	+36.9	41,674	30,35[illegible]
Paperboard containers and boxes	3,629	3,750	3,753	-3.2	-0.1	+4.8	3,509	3,910	3,806	2,906	+20.8	25,512	19,91[illegible]
Miscellaneous converted paper products	4,218	4,235	4,110	-0.4	+3.0	+1.3	4,100	4,486	4,015	3,781	+8.4	28,492	26,60[illegible]
Chemicals and allied products	30,748	30,706	30,441	+0.1	+0.9	+1.5	29,012	32,794	30,743	26,746	+8.5	215,213	195,39[illegible]
Industrial chemicals	16,576	17,037	16,840	-2.7	+1.2	+1.8	15,963	18,113	17,051	14,515	+10.0	118,777	101,48[illegible]
Drugs, soaps, and toiletries	10,321	10,169	10,233	+1.5	-0.6	+0.7	9,506	10,659	9,440	9,334	+1.8	69,832	69,05[illegible]
Petroleum and coal products	12,674	13,016	13,573	-2.6	-4.1	0.0	13,225	14,086	14,000	12,873	+2.7	89,883	80,54[illegible]
Rubber and plastics products	9,665	9,870	10,077	-2.1	-2.1	+0.3	8,835	10,722	10,373	8,659	+2.0	70,474	65,23[illegible]
All other nondurable goods	24,847	25,038	24,363	-0.8	+2.8	-0.4	23,970	25,100	22,942	23,000	+4.2	166,090	157,13[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94	1995[p]	1994
All manufacturing industries	292,911	296,754	297,046	-1.3	-0.1	+1.4	265,394	315,165	297,199	250,853	+5.8	2,063,520	1,912,972
Manufacturing industries with unfilled orders	162,331	163,782	163,741	-0.9	0.0	+2.9	145,441	173,820	160,734	134,416	+8.2	1,130,771	1,029,660
without defense capital goods	287,802	291,392	291,498	-1.2	0.0	+1.2	261,034	309,940	292,840	246,061	+6.1	2,024,920	1,871,392
Durable goods industries	155,629	159,031	159,502	-2.1	-0.3	+2.5	133,803	170,775	159,850	126,414	+5.8	1,112,963	1,029,834
With unfilled orders	126,756	128,068	128,641	-1.0	-0.4	+3.6	111,493	137,275	126,186	103,757	+7.5	888,835	812,843
Stone, clay, and glass products	7,345	7,182	6,832	+2.3	+5.1	+7.1	7,527	7,572	7,112	6,922	+8.7	48,952	46,040
Primary metals	14,285	14,329	14,455	-0.3	-0.9	-1.1	12,521	14,575	14,356	11,899	+5.2	105,557	91,836
Blast furnaces, steel mills	5,957	6,063	6,295	-1.7	-3.7	+1.3	5,248	6,131	6,190	5,107	+2.8	45,310	40,745
Iron and steel foundries	1,218	1,223	1,196	-0.4	+2.3	-7.6	953	1,305	1,226	1,054	-9.6	9,229	8,745
Nonferrous and other primary metals	7,110	7,043	6,964	+1.0	+1.1	-2.1	6,320	7,139	6,940	5,738	+10.1	51,018	42,346
Fabricated metal products	15,753	15,613	16,011	+0.9	-2.5	+1.7	14,170	16,573	16,267	13,753	+3.0	110,615	104,777
Industrial machinery and equipment	29,807	31,934	31,180	-6.7	+2.4	+2.9	24,966	36,142	30,704	24,720	+1.0	214,904	193,463
Engines and turbines	1,648	2,213	1,821	-25.5	+21.5	-4.9	1,320	2,585	1,690	1,431	-7.8	11,840	11,693
Construction, mining and material handling equipment	3,291	3,254	3,258	+1.1	-0.1	+4.5	2,838	3,384	3,291	2,430	+16.8	23,259	19,622
Metalworking machinery	3,484	3,374	3,560	+3.3	-5.2	-1.4	2,881	3,691	3,494	2,538	+13.5	24,050	20,652
Computer and office equipment	8,215	9,245	8,331	-11.1	+11.0	+1.8	6,072	11,847	7,812	6,182	-1.8	56,677	50,504
Electronic and other electrical equipment	28,004	26,310	26,796	+6.4	-1.8	+4.1	25,943	27,241	25,901	20,133	+28.9	181,283	151,814
Electrical transmission and distribution equipment and industrial apparatus	2,884	2,842	2,824	+1.5	+0.6	+1.5	2,589	3,122	2,802	2,369	+9.3	20,145	18,355
Electric lighting and wiring equipment	1,922	1,783	1,913	+7.8	-6.8	-0.6	1,614	1,875	1,899	1,590	+1.5	13,270	12,305
Communications equipment	6,130	6,337	6,611	-3.3	-4.1	+11.4	5,173	7,222	6,168	4,215	+22.7	41,619	31,554
Electronic components	12,270	10,231	10,139	+19.9	+0.9	+1.4	12,223	9,708	9,970	7,409	+65.0	72,851	55,327
Transportation equipment	33,120	36,082	36,499	-8.2	-1.1	+3.0	23,484	39,335	37,905	23,325	+0.7	260,412	258,000
Aircraft, missiles, space vehicles, and parts	7,288	6,840	8,200	+6.5	-16.6	+22.4	6,117	7,563	7,140	4,055	+50.9	52,418	51,085
Shipbuilding and tanks	479	765	509	-37.4	+50.3	+55.2	414	839	510	820	-49.5	4,571	4,418
Instruments and related products	10,869	11,263	11,167	-3.5	+0.9	+0.7	9,682	12,344	10,897	10,195	-5.0	76,203	72,187
Search and navigation equipment	1,847	2,236	2,286	-17.4	-2.2	-5.2	1,583	2,466	2,024	2,572	-38.5	14,798	14,531
Measuring and controlling devices	3,766	3,733	3,640	+0.9	+2.6	+4.8	3,324	4,002	3,637	2,917	+14.0	25,438	22,189
Medical instruments and supplies	3,039	3,087	2,984	-1.6	+3.5	+1.7	2,779	3,378	2,917	2,815	-1.3	20,758	19,970
All other durable goods	16,446	16,318	16,562	+0.8	-1.5	+1.8	15,510	16,993	16,708	15,467	+0.3	115,037	111,717
Nondurable goods industries	137,282	137,723	137,544	-0.3	+0.1	0.0	131,591	144,390	137,349	124,439	+5.7	950,557	883,138
With unfilled orders	35,575	35,714	35,100	-0.4	+1.7	+0.6	33,948	36,545	34,548	30,659	+10.7	241,936	216,817

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94
All manufacturing industries	460,066	459,979	461,937	0.0	-0.4	0.0	461,890	460,551	466,720	450,852	+2.4
Manufacturing industries without defense capital goods	352,202	350,882	351,763	+0.4	-0.3	+0.3	354,146	351,455	355,933	338,575	+4.6
Durable goods industries	434,057	434,012	435,809	0.0	-0.4	0.0	435,242	433,944	439,928	426,002	+2.2
Stone, clay, and glass products	7,760	7,620	7,542	+1.8	+1.0	-1.9	8,095	7,594	7,805	7,746	+4.5
Primary metals	27,349	27,781	28,435	-1.6	-2.3	-2.4	27,556	28,241	29,514	26,293	+4.8
Blast furnaces, steel mills	11,361	11,446	11,603	-0.7	-1.4	-0.6	11,429	11,637	12,061	11,091	+3.0
Iron and steel foundries	3,639	3,737	3,828	-2.6	-2.4	-3.3	3,679	3,750	3,850	3,634	+1.2
Nonferrous and other primary metals	12,349	12,598	13,004	-2.0	-3.1	-3.8	12,448	12,854	13,603	11,568	+7.6
Fabricated metal products	21,435	21,424	21,453	+0.1	-0.1	+1.4	21,585	21,480	21,539	20,794	+3.8
Industrial machinery and equipment	72,779	73,212	72,172	-0.6	+1.4	+0.5	72,145	72,835	72,387	61,295	+17.7
Engines and turbines	10,248	10,342	9,850	-0.9	+5.0	-1.6	10,048	9,950	9,317	9,876	+1.7
Construction, mining and material handling equipment	7,939	7,898	7,848	+0.5	+0.6	+1.4	7,780	7,883	7,981	6,508	+19.5
Metalworking machinery	11,137	11,081	11,158	+0.5	-0.7	+2.4	11,137	11,081	11,158	9,192	+21.2
Computer and office equipment	12,265	12,487	11,961	-1.8	+4.4	-3.7	12,400	12,791	12,434	9,956	+24.5
Electronic and other electrical equipment	54,686	52,304	52,448	+4.6	-0.3	+2.3	55,338	52,019	53,625	46,256	+19.6
Electrical transmission and distribution equipment and industrial apparatus	6,026	5,991	6,086	+0.6	-1.6	+0.3	6,035	5,973	6,091	6,039	-0.1
Electric lighting and wiring equipment	3,851	3,806	3,887	+1.2	-2.1	+0.4	3,851	3,806	3,887	3,511	+9.7
Communications equipment	16,716	16,629	16,805	+0.5	-1.0	+3.6	16,746	16,627	16,789	14,405	+16.3
Electronic components	22,731	20,485	20,256	+11.0	+1.1	+2.7	23,436	20,375	21,532	16,669	+40.6
Transportation equipment	195,862	197,321	199,051	-0.7	-0.9	-0.4	195,965	197,465	200,014	206,162	-4.9
Aircraft, missiles, space vehicles, and parts	165,719	166,528	168,153	-0.5	-1.0	-0.1	165,801	166,793	169,048	177,193	-6.4
Shipbuilding and tanks	17,611	17,940	18,031	-1.8	-0.5	-1.8	17,667	18,016	18,084	16,711	+5.7
Instruments and related products	46,080	46,350	46,524	-0.6	-0.4	-0.9	45,846	46,077	46,269	48,927	-6.3
Search and navigation equipment	29,522	30,055	30,270	-1.8	-0.7	-0.8	29,290	29,791	30,004	31,995	-8.5
Measuring and controlling devices	10,014	9,757	9,702	+2.6	+0.6	-0.2	10,014	9,757	9,702	9,230	+8.5
Medical instruments and supplies	5,695	5,710	5,713	-0.3	-0.1	-2.9	5,695	5,710	5,713	6,917	-17.7
All other durable goods	8,106	8,000	8,184	+1.3	-2.2	+2.5	8,712	8,233	8,775	8,529	+2.1
Nondurable goods industries	26,009	25,967	26,128	+0.2	-0.6	+0.2	26,648	26,607	26,792	24,850	+7.2

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94
All manufacturing industries	412,451	410,011	408,289	+0.6	+0.4	+0.6	414,525	408,950	412,496	387,563	+7.0
anufacturing industries											
ith unfilled orders	276,330	274,190	272,536	+0.8	+0.6	+0.8	279,365	274,612	276,650	258,051	+8.3
ithout defense capital goods	390,679	387,995	386,279	+0.7	+0.4	+0.7	392,367	386,754	390,082	362,745	+8.2
rable goods industries	259,440	257,442	256,787	+0.8	+0.3	+0.6	260,856	256,720	260,036	244,142	+6.8
Vith unfilled orders	237,666	236,120	235,229	+0.7	+0.4	+0.6	239,769	236,022	238,593	223,970	+7.1
one, clay, and glass products	8,446	8,370	8,278	+0.9	+1.1	+2.3	8,556	8,447	8,498	7,513	+13.9
imary metals	21,998	21,900	21,741	+0.4	+0.7	+0.1	22,132	21,726	21,760	20,002	+10.6
Blast furnaces, steel mills	10,470	10,466	10,381	0.0	+0.8	+0.2	10,606	10,284	10,256	9,703	+9.3
Iron and steel foundries	1,678	1,659	1,638	+1.1	+1.3	+0.4	1,656	1,677	1,683	1,512	+9.5
Nonferrous and other primary metals	9,850	9,775	9,722	+0.8	+0.5	0.0	9,870	9,765	9,821	8,787	+12.3
bricated metal products	25,630	25,606	25,535	+0.1	+0.3	+0.5	25,780	25,912	25,876	23,902	+7.9
dustrial machinery and equipment	52,580	52,318	52,320	+0.5	0.0	+1.1	52,722	51,820	52,905	48,900	+7.8
Engines and turbines	3,843	3,871	3,783	-0.7	+2.3	+1.8	3,900	3,832	3,815	3,697	+5.5
Farm and garden machinery	2,728	2,766	2,780	-1.4	-0.5	-1.3	2,485	2,568	2,641	2,363	+5.2
Construction, mining and material handling equipment	6,459	6,455	6,489	+0.1	-0.5	+1.2	6,401	6,496	6,580	5,796	+10.4
Metalworking machinery	6,233	6,126	6,077	+1.7	+0.8	+1.8	6,376	6,113	6,122	5,713	+11.6
Computer and office equipment	11,426	11,352	11,460	+0.7	-0.9	+1.7	11,792	11,066	11,718	12,108	-2.6
ctronic and other lectrical equipment	44,722	43,796	43,260	+2.1	+1.2	+0.6	45,363	43,973	44,268	37,690	+20.4
Electrical transmission and distribution equipment and industrial apparatus	4,857	4,824	4,807	+0.7	+0.4	-0.2	4,926	4,838	4,877	4,531	+8.7
Household appliances	2,885	2,846	2,888	+1.4	-1.5	-0.6	2,819	2,932	3,147	2,550	+10.5
Electric lighting and wiring equipment	3,281	3,247	3,279	+1.0	-1.0	+2.2	3,360	3,325	3,362	3,046	+10.3
Household audio and video equipment	1,552	1,548	1,541	+0.3	+0.5	+1.9	1,692	1,653	1,575	1,234	+37.1
Communications equipment	14,415	14,098	14,015	+2.2	+0.6	+0.8	14,529	14,062	14,510	11,089	+31.0
Electronic components	13,963	13,534	13,125	+3.2	+3.1	+1.1	14,200	13,405	13,108	11,840	+19.9
nsportation equipment	59,069	58,756	59,221	+0.5	-0.8	+0.6	59,102	57,960	59,820	60,296	-2.0
Motor vehicles and parts	12,534	12,360	12,450	+1.4	-0.7	+0.4	12,308	11,873	12,244	11,874	+3.7
Aircraft, missiles, space vehicles, and parts	41,840	41,862	42,006	-0.1	-0.3	+0.7	42,107	41,644	42,780	44,442	-5.3
Shipbuilding and tanks	1,639	1,528	1,517	+7.3	+0.7	-0.1	1,698	1,513	1,579	1,431	+18.7
truments and related products	22,157	22,140	21,846	+0.1	+1.3	-0.5	22,403	22,342	22,114	22,125	+1.3
Search and navigation equipment	5,375	5,435	5,382	-1.1	+1.0	-2.4	5,481	5,492	5,428	5,886	-6.9
Measuring and controlling devices	7,145	7,102	6,984	+0.6	+1.7	+0.2	7,202	7,156	7,065	6,471	+11.3
Medical instruments and supplies	6,199	6,133	6,095	+1.1	+0.6	-0.1	6,236	6,174	6,177	6,234	0.0
Photographic goods	2,560	2,596	2,507	-1.4	+3.6	+0.2	2,601	2,635	2,558	2,696	-3.5
other durable goods	24,838	24,556	24,586	+1.1	-0.1	0.0	24,798	24,540	24,795	23,714	+4.6
ndurable goods industries	153,011	152,569	151,502	+0.3	+0.7	+0.8	153,669	152,230	152,460	143,421	+7.1
Vith unfilled orders	38,664	38,070	37,307	+1.6	+2.0	+1.8	39,596	38,590	38,057	34,081	+16.2
d and kindred products	30,876	31,010	31,034	-0.4	-0.1	-0.4	30,045	29,574	29,836	30,069	-0.1
Meat products	3,545	3,533	3,522	+0.3	+0.3	+1.6	3,616	3,600	3,588	3,586	+0.8
Dairy products	2,669	2,616	2,604	+2.0	+0.5	-7.4	2,762	2,712	2,698	2,775	-0.5
Beverages	5,327	5,312	5,343	+0.3	-0.6	+0.2	5,258	5,281	5,348	5,245	+0.2
All other foods, except fats and oils	17,717	18,004	18,030	-1.6	-0.1	-0.2	16,867	16,503	16,651	16,767	+0.6
bacco products	5,290	5,308	5,336	-0.3	-0.5	-1.3	4,994	5,029	5,173	5,555	-10.1
xtile mill products	10,282	10,252	10,182	+0.3	+0.7	+0.7	10,496	10,392	10,583	9,867	+6.4
Broadwoven fabrics and other textiles	5,826	5,763	5,691	+1.1	+1.3	+1.1	5,913	5,776	5,857	5,482	+7.9
er and allied products	15,966	15,551	15,050	+2.7	+3.3	+2.0	16,100	15,679	15,393	13,523	+19.1
Pulp, paper, and paperboard mill products	6,138	5,943	5,768	+3.3	+3.0	+1.9	6,150	5,955	5,911	5,618	+9.5
Paperboard containers and boxes	4,537	4,359	4,190	+4.1	+4.0	+3.3	4,601	4,392	4,227	3,259	+41.2
Miscellaneous converted paper products	5,291	5,249	5,092	+0.8	+3.1	+1.1	5,349	5,332	5,255	4,646	+15.1
emicals and allied products	36,148	36,009	35,716	+0.4	+0.8	+1.3	36,113	35,781	36,024	34,177	+5.7
ndustrial chemicals	18,016	17,750	17,730	+1.5	+0.1	+1.7	18,052	17,618	17,760	16,127	+11.9
Drugs, soaps, and toiletries	13,223	13,252	13,104	-0.2	+1.1	+0.3	13,461	13,439	13,437	13,930	-3.4
roleum and coal products	10,873	11,167	11,297	-2.6	-1.2	+0.6	11,115	11,423	11,547	10,900	+2.0
bber and plastics products	14,357	14,299	14,178	+0.4	+0.9	+0.3	14,314	14,249	14,342	12,559	+14.0
other nondurable goods	29,219	28,973	28,709	+0.8	+0.9	+1.5	30,492	30,103	29,562	26,771	+13.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	292,824	298,712	297,093	-2.0	+0.5	+0.6	264,055	321,334	298,324	250,532	+5.4	2,053,398	1,900,478
Market categories :													
Automotive equipment	12,333	13,654	13,629	-9.7	+0.2	-1.4	8,382	14,874	14,917	8,565	-2.1	98,272	95,156
Home goods and apparel	19,472	19,626	19,475	-0.8	+0.8	0.0	18,039	20,459	18,153	17,754	+1.6	131,815	126,380
Consumer staples	60,646	60,380	60,469	+0.4	-0.1	-0.6	58,395	62,906	59,879	56,445	+3.5	414,006	399,249
Machinery and equipment	51,639	54,646	53,380	-5.5	+2.4	+0.4	42,962	62,173	53,249	40,037	+7.3	367,791	333,323
Business supplies	22,690	22,679	22,279	0.0	+1.8	+0.3	21,510	23,547	22,335	20,070	+7.2	154,427	142,690
Construction materials and supplies	18,501	18,369	18,341	+0.7	+0.2	+1.3	17,592	19,883	18,751	17,179	+2.4	128,147	122,273
Defense products	6,787	6,948	7,061	-2.3	-1.6	+0.4	6,195	7,415	6,805	6,696	-7.5	47,664	49,523
Other materials, supplies and and intermediate products	100,756	102,410	102,459	-1.6	0.0	+1.8	90,980	110,077	104,235	83,786	+8.6	711,276	631,884
Durable goods industries :													
Nondefense capital goods [3]	40,976	43,034	41,885	-4.8	+2.7	+1.3	35,099	50,067	40,261	31,994	+9.7	283,591	248,916
Excluding aircraft and parts	36,305	37,988	37,098	-4.4	+2.4	+3.0	31,130	43,888	35,725	28,018	+11.1	249,091	215,974
Defense capital goods [4]	6,342	6,439	6,629	-1.5	-2.9	+1.5	5,712	6,916	6,360	6,164	-7.3	43,961	46,441
Durables excluding capital goods	108,266	111,355	111,098	-2.8	+0.2	+0.9	91,694	119,776	114,545	88,227	+3.9	777,617	726,102
Miscellaneous series :													
Producers' durable equipment	97,730	102,868	101,485	-5.0	+1.4	+0.5	79,200	114,735	102,857	76,481	+3.6	704,761	658,253
Household durable goods	8,406	8,430	8,326	-0.3	+1.2	+0.8	7,322	8,686	7,876	6,993	+4.7	56,074	53,320
Information technology industries	20,015	20,964	20,587	-4.5	+1.8	+4.7	16,352	25,160	19,133	14,587	+12.1	134,069	116,235
Health care equipment and products	8,649	8,613	8,714	+0.4	-1.2	+2.4	7,942	9,174	8,228	7,837	+1.3	59,306	58,015
NEW ORDERS													
All manufacturing industries	292,911	296,754	297,046	-1.3	-0.1	+1.4	265,394	315,165	297,199	250,853	+5.8	2,063,520	1,912,972
Market categories :													
Automotive equipment	12,311	13,647	13,601	-9.8	+0.3	-1.4	8,403	14,820	14,854	8,619	-2.5	98,191	95,329
Home goods and apparel	19,241	19,490	20,104	-1.3	-3.1	+3.1	18,136	20,284	18,915	18,218	-0.5	134,514	129,229
Consumer staples	60,695	60,446	60,525	+0.4	-0.1	-0.6	58,486	63,030	59,913	56,492	+3.5	414,247	399,291
Machinery and equipment	50,607	54,243	54,317	-6.7	-0.1	+4.2	41,638	61,202	54,214	39,791	+4.6	370,334	334,420
Business supplies	22,697	22,642	22,292	+0.2	+1.6	-0.2	21,476	23,392	22,433	20,096	+6.9	154,855	143,056
Construction materials and supplies	18,622	18,174	18,310	+2.5	-0.7	+1.9	17,858	19,505	18,845	17,425	+2.5	128,754	123,825
Defense products	5,687	5,833	6,069	-2.5	-3.9	+5.2	4,955	5,739	4,903	5,392	-8.1	42,606	45,125
Other materials, supplies and and intermediate products	103,051	102,279	101,828	+0.8	+0.4	+1.1	94,442	107,193	103,122	84,820	+11.3	720,019	642,697
Durable goods industries :													
Nondefense capital goods [3]	39,905	42,964	43,115	-7.1	-0.4	+7.6	33,770	49,514	41,474	31,669	+6.6	286,485	250,588
Excluding aircraft and parts	35,832	38,979	37,831	-8.1	+3.0	+5.0	30,399	44,396	36,441	29,455	+3.2	255,733	224,996
Defense capital goods [4]	5,109	5,362	5,548	-4.7	-3.4	+7.3	4,360	5,225	4,359	4,792	-9.0	38,600	41,580
Durables excluding capital goods	110,615	110,705	110,839	-0.1	-0.1	+0.5	95,673	116,036	114,017	89,953	+6.4	787,878	737,666
Miscellaneous series :													
Producers' durable equipment	96,866	102,288	102,595	-5.3	-0.3	+2.8	78,828	113,004	104,037	77,669	+1.5	709,835	665,505
Household durable goods	8,556	8,571	8,620	-0.2	-0.6	+8.2	7,782	8,659	8,187	7,293	+6.7	57,481	54,809
Information technology industries	20,171	21,292	20,588	-5.3	+3.4	+4.2	16,349	25,312	19,778	15,276	+7.0	137,385	119,063
Health care equipment and products	8,634	8,609	8,543	+0.3	+0.8	+1.0	7,928	9,170	8,058	7,878	+0.6	58,712	57,477

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and er and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 95/94
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	
UNFILLED ORDERS											
All manufacturing industries	460,066	459,979	461,937	0.0	-0.4	0.0	461,890	460,551	466,720	450,852	+2.4
arket categories :											
Automotive equipment	2,079	2,101	2,108	-1.0	-0.3	-1.4	2,065	2,045	2,099	2,075	-0.5
Home goods and apparel	10,245	10,477	10,613	-2.2	-1.3	+6.3	11,029	10,931	11,106	11,512	-4.2
Consumer staples	1,834	1,785	1,719	+2.7	+3.8	+3.4	1,872	1,781	1,657	1,519	+23.2
Machinery and equipment	183,548	184,580	184,984	-0.6	-0.2	+0.5	183,375	184,699	185,670	181,321	+1.1
Business supplies	6,225	6,218	6,255	+0.1	-0.6	+0.2	6,236	6,270	6,426	5,734	+8.8
Construction materials and supplies	15,783	15,662	15,857	+0.8	-1.2	-0.2	16,045	15,780	16,158	15,427	+4.0
Defense products	102,347	103,448	104,563	-1.1	-1.1	-0.9	102,180	103,419	105,095	106,512	-4.1
Other materials, supplies and and intermediate products	138,005	135,708	135,838	+1.7	-0.1	-0.5	139,088	135,626	138,509	126,752	+9.7
rable goods industries :											
Nondefense capital goods [3]	203,300	204,371	204,441	-0.5	0.0	+0.6	202,810	204,139	204,692	199,009	+1.9
Excluding aircraft and parts	98,139	98,612	97,621	-0.5	+1.0	+0.8	97,649	98,380	97,872	84,680	+15.3
Defense capital goods [4]	107,864	109,097	110,174	-1.1	-1.0	-1.0	107,744	109,096	110,787	112,277	-4.0
Durables excluding capital goods	122,893	120,544	121,194	+1.9	-0.5	-0.2	124,688	120,709	124,449	114,716	+8.7
scellaneous series :											
Producers' durable equipment	218,590	219,454	220,034	-0.4	-0.3	+0.5	218,788	219,160	220,891	213,395	+2.5
Household durable goods	6,177	6,027	5,886	+2.5	+2.4	+5.3	6,604	6,144	6,171	6,324	+4.4
nformation technology industries	40,092	39,936	39,608	+0.4	+0.8	0.0	40,245	40,248	40,096	34,914	+15.3
Health care equipment and products	5,727	5,742	5,746	-0.3	-0.1	-2.9	5,728	5,742	5,746	6,949	-17.6
TOTAL INVENTORIES											
ll manufacturing industries	412,451	410,011	408,289	+0.6	+0.4	+0.6	414,525	408,950	412,496	387,563	+7.0
rket categories :											
Automotive equipment	6,729	6,609	6,636	+1.8	-0.4	+0.3	6,570	6,379	6,609	6,065	+8.3
Home goods and apparel	33,916	33,885	33,809	+0.1	+0.2	+0.4	34,927	35,149	35,192	32,162	+8.6
Consumer staples	58,729	59,053	58,954	-0.5	+0.2	0.0	58,232	57,977	58,283	58,066	+0.3
Machinery and equipment	100,327	99,317	99,392	+1.0	-0.1	+0.8	100,562	98,544	101,107	92,835	+8.3
Business supplies	24,041	23,947	23,644	+0.4	+1.3	+1.4	24,402	24,023	23,891	21,553	+13.2
Construction materials and supplies	26,479	26,224	26,236	+1.0	0.0	+0.7	26,666	26,485	26,631	24,887	+7.1
Defense products	21,179	21,389	21,335	-1.0	+0.3	+0.5	21,551	21,562	21,707	23,881	-9.8
Other materials, supplies and and intermediate products	141,051	139,587	138,283	+1.0	+0.9	+0.8	141,615	138,831	139,076	128,114	+10.5
able goods industries :											
ondefense capital goods [3]	95,075	94,131	94,311	+1.0	-0.2	+0.9	95,733	93,527	96,149	87,884	+8.9
Excluding aircraft and parts	68,497	67,797	67,953	+1.0	-0.2	+1.1	69,144	67,560	69,374	61,477	+12.5
efense capital goods [4]	21,772	22,016	22,010	-1.1	0.0	+0.2	22,158	22,196	22,414	24,818	-10.7
urables excluding capital goods	142,593	141,295	140,466	+0.9	+0.6	+0.4	142,965	140,997	141,473	131,440	+8.8
cellaneous series :											
roducers' durable equipment	161,597	160,296	159,989	+0.8	+0.2	+0.6	162,062	159,646	162,312	149,386	+8.5
ousehold durable goods	14,819	14,873	14,844	-0.4	+0.2	0.0	15,107	15,195	15,288	14,004	+7.9
nformation technology industries	36,161	35,750	35,601	+1.1	+0.4	+0.8	36,747	35,508	36,490	33,090	+11.1
ealth care equipment and products	13,407	13,356	13,237	+0.4	+0.9	+0.2	13,571	13,495	13,499	13,800	-1.7

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1995[p]	June 1995[r]	May 1995	June-July	May-June	Apr.-May	July 1995[p]	June 1995[r]	May 1995	July 1994	July 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	135,868	135,168	134,147	+0.5	+0.8	+0.7	136,090	134,463	133,757	123,788	+9.9
Durable goods industries	79,196	78,441	77,927	+1.0	+0.7	+0.6	79,318	77,692	77,535	71,774	+10.5
Stone, clay, and glass products	2,837	2,823	2,801	+0.5	+0.8	+1.8	2,853	2,838	2,798	2,553	+11.8
Primary metals	6,740	6,744	6,725	-0.1	+0.3	+0.6	6,765	6,670	6,554	6,079	+11.3
Fabricated metal products	9,004	9,000	9,084	0.0	-0.9	+0.9	8,989	8,998	8,953	8,088	+11.1
Industrial machinery and equipment	17,654	17,477	17,746	+1.0	-1.5	+1.0	17,670	17,294	17,868	15,903	+11.1
Electronic and other electrical equipment	15,524	15,237	14,618	+1.9	+4.2	+0.5	15,741	15,167	14,689	12,204	+29.0
Transportation equipment	10,371	10,336	10,278	+0.3	+0.6	-0.3	10,274	10,172	10,319	10,921	-5.9
Instruments and related products	7,012	6,970	6,902	+0.6	+1.0	+0.5	7,061	7,013	6,957	6,717	+5.1
Lumber, furniture and miscellaneous durable goods	10,054	9,854	9,773	+2.0	+0.8	+0.1	9,965	9,540	9,397	9,309	+7.0
Nondurable goods industries	56,672	56,727	56,220	-0.1	+0.9	+0.9	56,772	56,771	56,222	52,014	+9.1
Food and kindred products	10,198	10,163	10,049	+0.3	+1.1	+0.8	9,960	10,003	9,845	9,701	+2.7
Tobacco products	4,626	4,614	4,645	+0.3	-0.7	-1.0	4,399	4,413	4,565	4,712	-6.6
Textile mill products	2,992	3,014	2,995	-0.7	+0.6	+0.5	3,079	3,063	3,094	2,867	+7.4
Paper and allied products	8,086	8,020	7,824	+0.8	+2.5	+2.5	8,109	8,026	7,838	6,659	+21.8
Chemicals and allied products	11,741	11,819	11,663	-0.7	+1.3	+0.6	11,785	11,839	11,716	11,351	+3.8
Petroleum and coal products	3,273	3,347	3,331	-2.2	+0.5	-2.7	3,379	3,475	3,447	3,124	+8.2
Rubber and plastics products	5,432	5,426	5,347	+0.1	+1.5	-0.3	5,444	5,373	5,349	4,683	+16.3
Apparel, printing and publishing and leather goods	10,324	10,324	10,366	0.0	-0.4	+3.1	10,617	10,579	10,368	8,917	+19.1
WORK IN PROCESS											
All manufacturing industries	133,540	132,610	132,906	+0.7	-0.2	+0.6	134,548	131,668	133,912	130,863	+2.8
Durable goods industries	108,586	107,902	108,408	+0.6	-0.5	+0.5	109,447	107,351	109,562	106,930	+2.4
Stone, clay, and glass products	1,362	1,336	1,295	+1.9	+3.2	+2.9	1,398	1,368	1,347	1,065	+31.3
Primary metals	8,244	8,160	8,101	+1.0	+0.7	+0.8	8,348	8,095	8,114	7,612	+9.7
Fabricated metal products	8,015	8,041	7,964	-0.3	+1.0	0.0	8,049	8,024	8,032	7,732	+4.1
Industrial machinery and equipment	19,644	19,540	19,492	+0.5	+0.2	+0.9	19,741	19,278	19,625	18,995	+3.9
Electronic and other electrical equipment	16,695	16,446	16,582	+1.5	-0.8	-0.2	16,895	16,386	16,894	15,487	+9.1
Transportation equipment	40,299	40,074	40,636	+0.6	-1.4	+1.1	40,483	39,757	41,086	41,524	-2.5
Instruments and related products	9,271	9,243	9,223	+0.3	+0.2	-1.4	9,438	9,347	9,288	9,433	+0.1
Lumber, furniture and miscellaneous durable goods	5,056	5,062	5,115	-0.1	-1.0	-0.1	5,095	5,096	5,176	5,082	+0.3
Nondurable goods industries	24,954	24,708	24,498	+1.0	+0.9	+0.9	25,101	24,317	24,350	23,933	+4.9
Food and kindred products	4,113	4,111	4,054	0.0	+1.4	-0.7	3,873	3,833	3,708	3,875	-0.1
Tobacco products	182	184	178	-1.1	+3.4	+4.7	132	136	135	127	+3.9
Textile mill products	2,703	2,679	2,653	+0.9	+1.0	-0.6	2,752	2,672	2,704	2,641	+4.2
Paper and allied products	1,481	1,413	1,376	+4.8	+2.7	+1.4	1,528	1,445	1,402	1,224	+24.8
Chemicals and allied products	5,648	5,559	5,482	+1.6	+1.4	+1.9	5,703	5,502	5,561	5,551	+2.7
Petroleum and coal products	2,161	2,277	2,381	-5.1	-4.4	+6.0	2,207	2,327	2,404	2,389	-7.6
Rubber and plastics products	2,092	2,083	2,121	+0.4	-1.8	+3.2	2,057	2,017	2,105	1,822	+12.9
Apparel, printing and publishing and leather goods	6,574	6,402	6,253	+2.7	+2.4	-1.1	6,849	6,385	6,331	6,304	+8.6
FINISHED GOODS											
All manufacturing industries	143,043	142,233	141,236	+0.6	+0.7	+0.6	143,887	142,819	144,827	132,912	+8.3
Durable goods industries	71,658	71,099	70,452	+0.8	+0.9	+0.6	72,091	71,677	72,939	65,438	+10.2
Stone, clay, and glass products	4,247	4,211	4,182	+0.9	+0.7	+2.4	4,305	4,241	4,353	3,895	+10.5
Primary metals	7,014	6,996	6,915	+0.3	+1.2	-1.1	7,019	6,961	7,092	6,311	+11.2
Fabricated metal products	8,611	8,565	8,487	+0.5	+0.9	+0.6	8,742	8,890	8,891	8,082	+8.2
Industrial machinery and equipment	15,282	15,301	15,082	-0.1	+1.5	+1.7	15,311	15,248	15,412	14,002	+9.3
Electronic and other electrical equipment	12,503	12,113	12,060	+3.2	+0.4	+1.8	12,727	12,420	12,685	9,999	+27.3
Transportation equipment	8,399	8,346	8,307	+0.6	+0.5	-0.8	8,345	8,031	8,415	7,851	+6.3
Instruments and related products	5,874	5,927	5,721	-0.9	+3.6	-0.4	5,904	5,982	5,869	5,975	-1.2
Lumber, furniture and miscellaneous durable goods	9,728	9,640	9,698	+0.9	-0.6	0.0	9,738	9,904	10,222	9,323	+4.5
Nondurable goods industries	71,385	71,134	70,784	+0.4	+0.5	+0.6	71,796	71,142	71,888	67,474	+6.4
Food and kindred products	16,565	16,736	16,931	-1.0	-1.2	-1.0	16,212	15,738	16,283	16,493	-1.7
Tobacco products	482	510	513	-5.5	-0.6	-5.5	463	480	473	716	-35.3
Textile mill products	4,587	4,559	4,534	+0.6	+0.6	+1.7	4,665	4,657	4,785	4,359	+7.0
Paper and allied products	6,399	6,118	5,850	+4.6	+4.6	+1.4	6,463	6,208	6,153	5,640	+14.6
Chemicals and allied products	18,759	18,631	18,571	+0.7	+0.3	+1.6	18,625	18,440	18,747	17,275	+7.8
Petroleum and coal products	5,439	5,543	5,585	-1.9	-0.8	+0.3	5,529	5,621	5,696	5,387	+2.6
Rubber and plastics products	6,833	6,790	6,710	+0.6	+1.2	0.0	6,813	6,859	6,888	6,054	+12.5
Apparel, printing and publishing and leather goods	12,321	12,247	12,090	+0.6	+1.3	+1.4	13,026	13,139	12,863	11,550	+12.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1995[p]	June 1995[r]	May 1995	Apr. 1995	July 1995[p]	June 1995[r]	May 1995	Apr. 1995
All manufacturing industries	1.41	1.37	1.37	1.37	2.84	2.78	2.82	2.86
urable goods industries	1.67	1.60	1.61	1.62	3.43	3.34	3.38	3.44
Stone, clay, and glass products	1.17	1.18	1.19	1.22	1.14	1.14	1.15	1.24
Primary metals	1.49	1.46	1.43	1.46	1.86	1.85	1.87	1.95
Fabricated metal products	1.63	1.64	1.62	1.62	1.48	1.49	1.49	1.47
ndustrial machinery and equipment	1.74	1.69	1.70	1.71	2.56	2.52	2.48	2.53
Electronic and other electrical equipment	1.75	1.66	1.69	1.73	2.13	1.98	2.05	2.06
Transportation equipment	1.71	1.55	1.59	1.54	11.36	10.80	11.10	10.91
nstruments and related products	1.99	1.94	1.88	1.95	4.14	4.05	4.01	4.16
ondurable goods industries	1.11	1.11	1.10	1.09	0.73	0.72	0.75	0.75
Food and kindred products	0.85	0.86	0.87	0.86	(X)	(X)	(X)	(X)
Tobacco products	1.78	1.92	1.79	1.79	(X)	(X)	(X)	(X)
Textile mill products	1.67	1.64	1.62	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.09	1.07	1.08	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.18	1.17	1.17	1.18	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.86	0.83	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.49	1.45	1.41	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1995	July[2] 1990-1994	July 1994-June 1995	July[1] 1995	July[2] 1990-1994	July 1994-June 1995	July[1] 1995	July[2] 1990-1994	July 1994-June 1995	July[1] 1995	July[2] 1990-1994	July 1994-June 1995
ll manufacturing industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
able goods industries	-0.6	0.2	0.2	-0.4	0.3	0.3	0.0	0.0	0.1	(X)	0.2	0.0
one, clay, and glass products	(X)	0.8	0.7	(X)	1.4	1.0	(X)	0.5	0.5	(X)	0.3	0.1
imary metals	0.0	0.3	0.5	-0.3	0.6	1.1	-0.3	0.3	0.4	(X)	0.2	0.2
bricated metal products	(X)	0.5	0.4	(X)	0.6	0.6	(X)	0.2	0.3	(X)	0.1	0.2
dustrial machinery and equipment	-1.6	0.2	0.4	-1.9	0.4	0.7	-0.1	0.1	0.2	(X)	0.1	0.1
ectronic and other electrical equipment	0.2	0.3	0.4	-0.1	0.8	0.7	-0.1	0.3	0.3	(X)	0.1	0.1
ansportation equipment	-0.8	0.6	0.6	-0.5	0.5	0.9	0.1	0.1	0.1	(X)	0.7	0.2
struments and related products	(X)	0.3	0.3	(X)	0.5	1.0	(X)	0.1	0.2	(X)	0.1	0.1
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.2	0.3	(X)	0.1	0.1
od and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
bacco products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.5	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
per and allied products	(X)	0.4	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.5	0.2
emicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
troleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bber and plastics products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
ital goods industries :												
ondefense	-1.5	0.2	0.3	-1.5	0.5	0.7	0.0	0.0	0.1	(X)	0.5	0.1
efense	-0.3	0.3	0.5	-1.8	1.3	2.4	-0.1	0.1	0.1	(X)	0.3	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

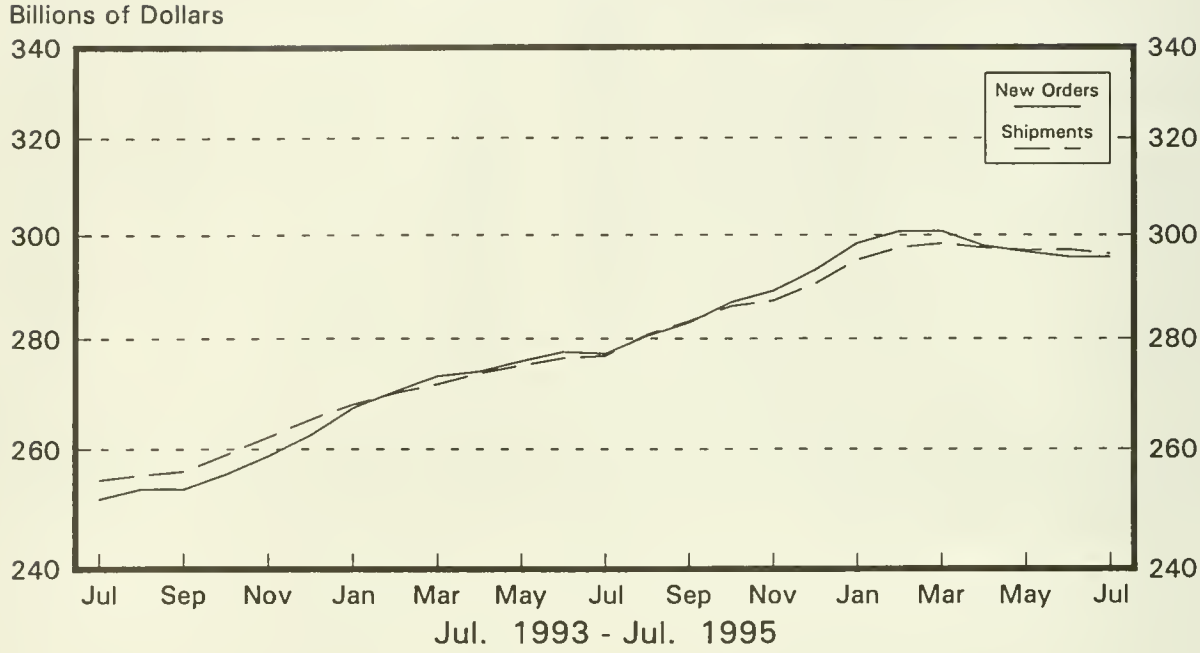
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

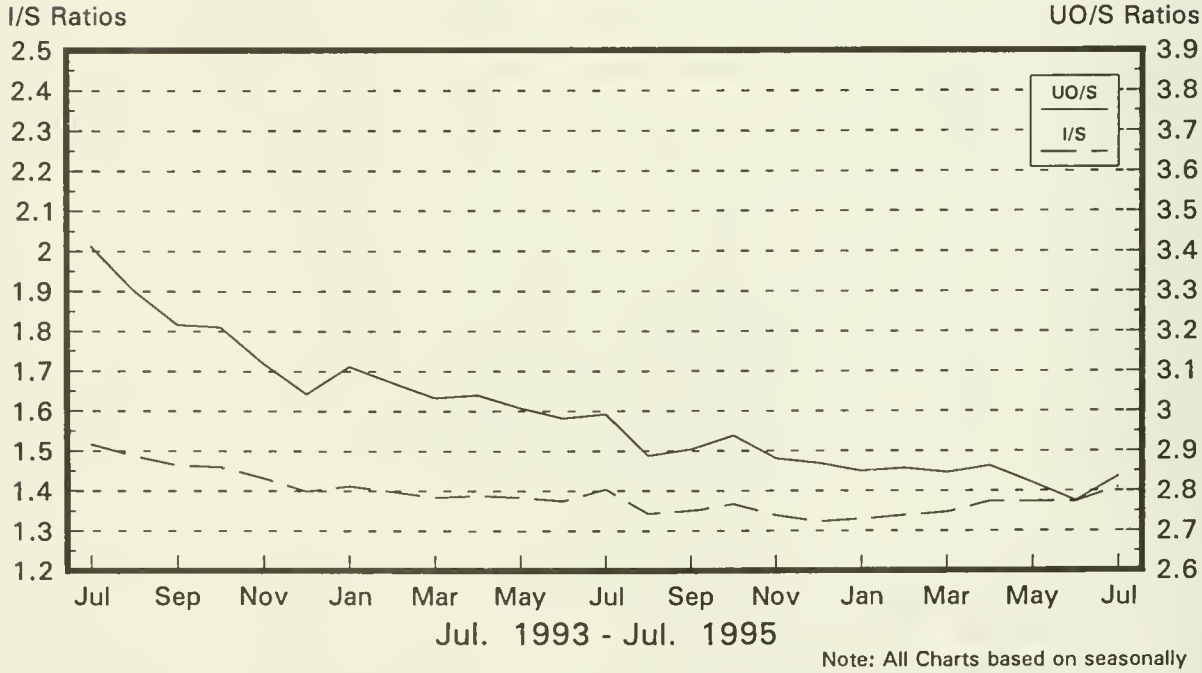
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

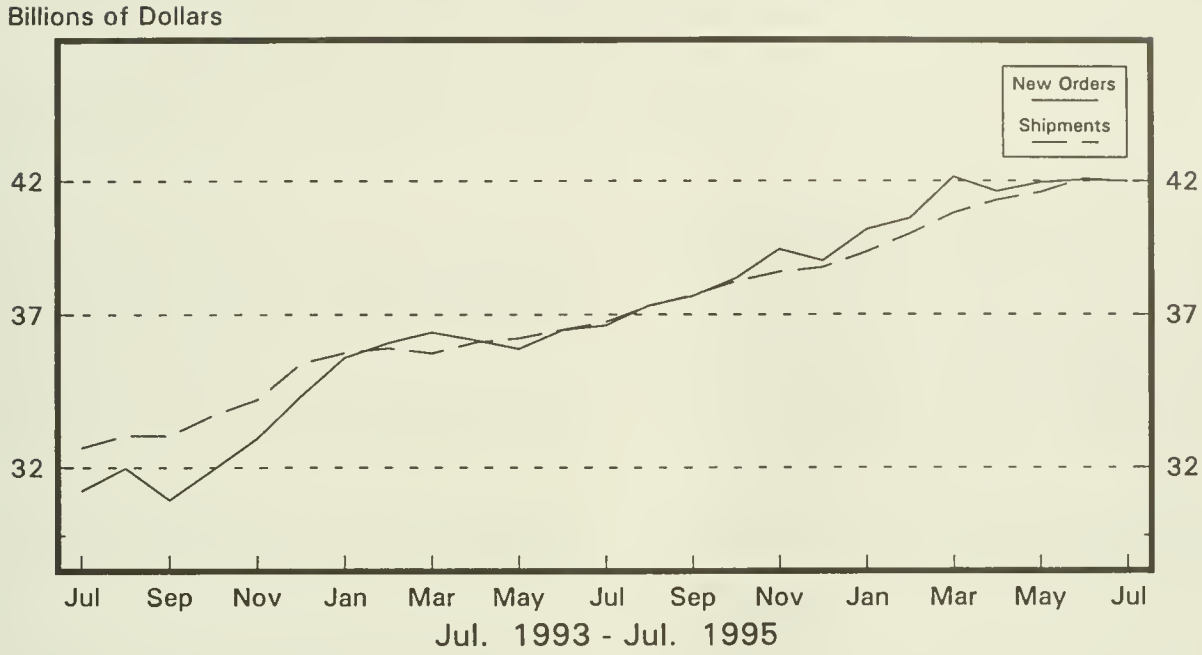
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

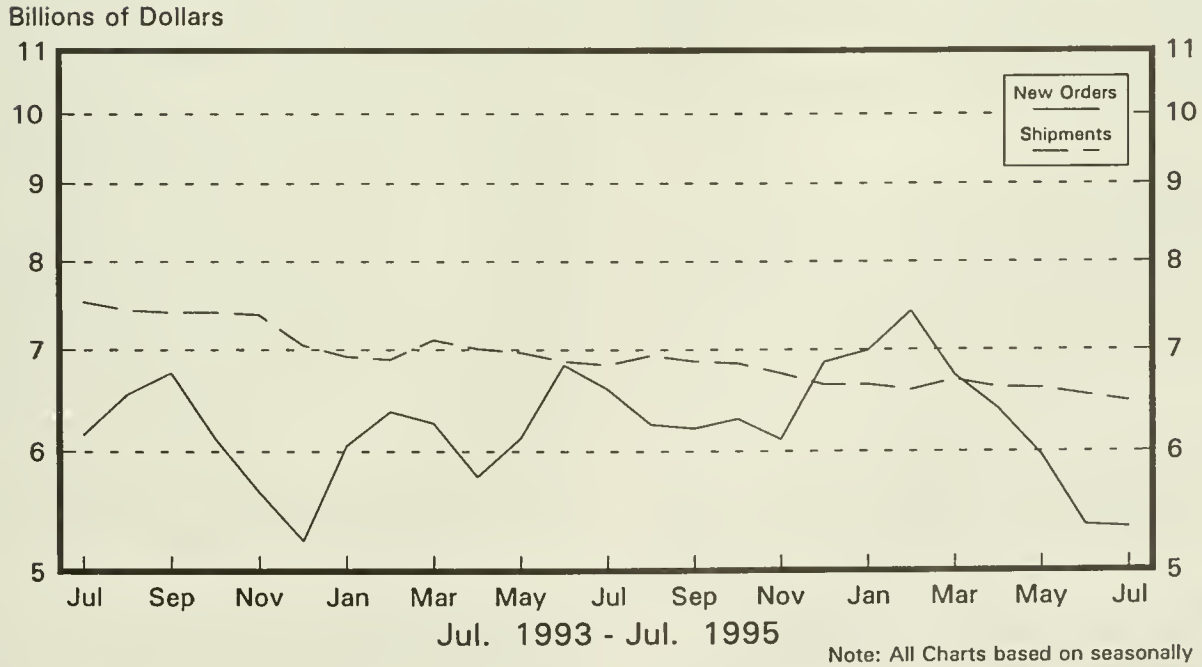
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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August 1995
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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August, up for the first month since May, increased $7.8 billion or 2.6 percent to $301.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows decreases of 1.0 percent in July and 0.1 percent in June and is the third increase this year. Year to date, new orders are 7.7 percent above the same period a year ago.

Shipments, up three of the last four months, increased $8.9 billion or 3.0 percent to $302.3 billion, following a 1.8 percent July decrease. Year to date, shipments are 7.9 percent above the same period a year ago.

Unfilled orders, down four of the last five months, decreased $0.7 billion or 0.2 percent to $459.7 billion, following a 0.1 percent July increase. The unfilled orders-to-shipments ratio was 2.75, down from 2.84 in July.

Inventories increased slightly to $412.5 billion, the eleventh consecutive monthly increase and the eighteenth in the last twenty months. The inventories-to-shipments ratio was 1.36, down from 1.41 in July.

New Orders

New orders for manufactured durable goods in August, up for the first month since May, increased $7.4 billion or 4.8 percent to $163.6 billion, revised from the previously published 4.9 percent increase. The motor vehicle and parts industry, which was heavily affected by the growing practice of shutting down for two weeks in July, contributed to about half of this month's durable goods increase and over three quarters of last month's decline. The August durable goods increase follows decreases of 1.8 percent in July and 0.3 percent in June.

Transportation equipment had the largest increase, $5.1 billion or 15.2 percent to $38.3 billion, due to motor vehicles and parts and aircraft and aircraft parts. This is the first increase since May and the third this year. Industrial machinery and equipment, up three of the last four months, increased $1.5 billion or 5.0 percent to $31.3 billion, following a 6.6 percent July decrease. Primary metals, up for the first month since December, increased $0.9 billion or 6.4 percent to $15.2 billion. Instruments and related products, up four of the last five months, increased $0.8 billion or 7.4 percent to $11.7 billion. Fabricated metal products, up three of the last four months, increased $0.2 billion or 1.5 percent to $16.0 billion. Electronic and other electrical equipment had the only decrease, $1.6 billion or 5.5 percent to $26.7 billion, due to electronic components and accessories and communication equipment. This follows a 7.6 percent July increase and is the fourth decline this year.

New orders for nondurable goods, up for the fifth consecutive month, increased $0.3 billion or 0.2 percent to $138.1 billion. Increases, led by rubber and plastic products and food and kindred products, more than offset declines led by textile mill products.

Shipments

Shipments of durable goods in August increased $7.6 billion or 4.9 percent to $163.5 billion, revised from the previously published 4.7 percent increase. This follows a 3.1 percent July decrease and is the third increase in the last four months and the eighth in the last ten months. All major industries increased with transportation equipment having the largest increase, $3.5 billion or 10.2 percent to $38.3 billion, due to motor vehicles and parts. This follows an 8.1 percent July decline. Electronic and other electrical equipment increased $1.3 billion or 5.0 percent to $27.1 billion, the third increase in the last four months. Industrial machinery and equipment, up three of the last four months, increased $1.1 billion or 3.7 percent to $31.3 billion. This follows a 2.2 percent July decline. Following two consecutive monthly decreases, instruments and related products increased $0.6 billion or 5.3 percent to $11.7 billion. Fabricated metal products increased $0.3 billion or 2.1 percent to $16.1 billion, the second consecutive monthly increase. Primary metals, up for the first month since May, increased $0.2 billion or 1.4 percent to $14.9 billion. This follows decreases of 1.9 percent and 1.2 percent in July and June respectively.

Shipments of nondurable goods, up four of the last five months, increased $1.3 billion or 0.9 percent to $138.8 billion. Led by rubber and plastic products, food and kindred products, and printing and publishing, nearly every major industry group increased.

Unfilled Orders

Unfilled orders for durable goods in August increased slightly to $434.3 billion, revised from the previously published 0.2 percent increase. This follows a slight July increase and is the ninth increase in the last twelve months. Primary metals, up for the first month since February, increased $0.3 billion or 1.2 percent to $27.7 billion. Stone, clay, and glass products, up for the third consecutive month, increased $0.2 billion or 2.7 percent to $8.0 billion. This follows a 2.2 percent July increase and is the eighth increase in the last twelve months. Transportation equipment, up for the first month since February, increased slightly to $195.9 billion. Electronic and other electrical equipment had the largest decrease, $0.4 billion or 0.6 percent to $54.5 billion. This follows a 4.8 percent July increase and is the second decline in the last twelve months. Fabricated metal products, down for the third consecutive month, declined $0.1 billion or 0.5 percent to $21.3 billion.

Inventories

Inventories of durable goods in August increased $0.2 billion or 0.1 percent to $259.7 billion. This follows a 0.8 percent July increase and is the eighteenth increase in the last twenty months. Electronic and other electrical equipment had the largest increase, $0.5 billion or 1.2 percent to $45.3 billion. This follows a 2.3 percent July increase and is the twentieth consecutive monthly increase. Transportation equipment had the largest decline, $0.3 billion or 0.4 percent to $58.8 billion, following a 0.5 percent July increase. Fabricated metal products, down for the first month since September 1994, decreased $0.2 billion or 0.8 percent to $25.4 billion.

Inventories of nondurable goods, down for the first month since September 1994, decreased $0.2 billion or 0.1 percent to $152.7 billion. Food and kindred products had the largest decrease, $0.3 billion or 0.8 percent to $30.6 billion. Petroleum and coal products and chemical and allied products also declined. Tobacco products, up for the second consecutive month, had the largest increase, $0.1 billion or 2.0 percent to $5.5 billion.

By stage of fabrication, finished goods decreased 0.1 percent in durables and 0.2 percent in nondurables. Work in process decreased 0.3 percent in durables and 0.5 percent in nondurables. Materials and supplies increased 0.8 percent in durables and 0.1 percent in nondurables.

The advance report on durable goods for September is scheduled for October 26, 1995 at 8:30 a.m. and the full report on November 2, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305)can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94	1995[p]	1994
All manufacturing industries	302,337	293,474	298,712	+3.0	-1.8	+0.5	303,218	264,149	321,334	288,395	+5.1	2,356,710	2,188,873
Manufacturing Industries													
with unfilled orders	167,092	162,293	165,740	+3.0	-2.1	+1.2	165,791	143,759	179,989	153,480	+8.0	1,286,097	1,170,646
without defense capital goods	295,847	287,103	292,273	+3.0	-1.8	+0.6	296,890	258,429	314,418	281,544	+5.5	2,306,413	2,135,581
Durable goods industries	163,517	155,919	160,828	+4.9	-3.1	+0.8	161,099	132,423	176,759	152,591	+5.6	1,266,186	1,174,050
With unfilled orders	131,280	126,922	129,865	+3.4	-2.3	+0.9	129,070	110,112	143,259	119,785	+7.8	1,010,028	924,253
Stone, clay, and glass products	7,338	7,216	7,104	+1.7	+1.6	+1.8	7,878	7,014	7,783	7,310	+7.8	56,237	52,423
Primary metals	14,901	14,696	14,983	+1.4	-1.9	-1.2	14,937	13,183	15,848	13,535	+10.4	120,774	100,626
Blast furnaces, steel mills	6,176	6,045	6,220	+2.2	-2.8	-2.4	6,225	5,455	6,555	6,029	+3.3	50,756	45,395
Iron and steel foundries	1,337	1,318	1,314	+1.4	+0.3	-0.9	1,354	1,024	1,405	1,271	+6.5	10,591	9,425
Nonferrous and other primary metals	7,388	7,333	7,449	+0.8	-1.6	-0.3	7,358	6,704	7,888	6,235	+18.0	59,427	45,806
Fabricated metal products	16,099	15,762	15,642	+2.1	+0.8	-0.5	16,394	14,003	16,632	15,806	+3.7	125,854	119,835
Industrial machinery and equipment	31,340	30,213	30,894	+3.7	-2.2	+0.3	29,160	25,606	35,694	26,270	+11.0	239,065	211,416
Engines and turbines	1,819	1,749	1,721	+4.0	+1.6	-13.3	1,630	1,222	1,952	1,728	-5.7	14,046	13,684
Farm and garden machinery	1,884	1,853	1,789	+1.7	+3.6	+3.7	1,462	1,380	1,816	1,504	-2.8	15,631	14,904
Construction, mining and material handling equipment	3,222	3,232	3,204	-0.3	+0.9	+1.6	3,067	2,930	3,482	2,737	+12.1	25,534	21,642
Metalworking machinery	3,556	3,462	3,451	+2.7	+0.3	+4.5	3,353	2,845	3,768	2,895	+15.8	25,863	21,690
Computer and office equipment	8,739	8,369	8,719	+4.4	-4.0	-0.8	7,778	6,397	11,490	6,548	+18.8	63,189	54,347
Electronic and other electrical equipment	27,088	25,789	26,454	+5.0	-2.5	+3.2	26,755	22,725	28,847	22,891	+16.9	198,933	172,887
Electrical transmission and distribution equipment and industrial apparatus	2,984	2,844	2,937	+4.9	-3.2	+4.8	2,947	2,527	3,240	2,601	+13.3	22,803	20,687
Household appliances	2,009	1,873	1,875	+7.3	-0.1	0.0	2,089	1,776	2,140	1,974	+5.8	15,188	14,970
Electric lighting and wiring equipment	1,932	1,891	1,864	+2.2	+1.4	-1.8	1,907	1,580	1,956	1,841	+3.6	14,980	13,872
Household audio and video equipment	1,114	1,165	1,133	-4.4	+2.8	-1.0	1,204	1,057	1,006	1,184	+1.7	8,118	7,353
Communications equipment	6,188	6,073	6,513	+1.9	-6.8	+8.1	5,710	5,108	7,384	4,846	+17.8	45,641	37,027
Electronic components	10,506	10,075	10,002	+4.3	+0.7	+4.0	10,590	9,148	10,865	8,368	+26.6	75,923	62,130
Transportation equipment	38,295	34,760	37,812	+10.2	-8.1	+1.3	37,063	25,021	41,884	38,786	-4.4	304,721	304,100
Motor vehicles and parts	27,435	23,865	26,141	+15.0	-8.7	+0.6	26,742	15,367	28,813	27,939	-4.3	216,270	216,514
Aircraft, missiles, space vehicles, and parts.	8,207	8,194	8,465	+0.2	-3.2	+2.0	7,650	7,187	9,818	8,105	-5.6	65,237	66,022
Shipbuilding and tanks	871	785	856	+11.0	-8.3	+1.1	862	731	907	913	-5.6	6,673	7,916
Instruments and related products	11,717	11,123	11,437	+5.3	-2.7	-1.5	11,500	9,872	12,536	10,912	+5.4	89,834	85,566
Search and navigation equipment	2,586	2,406	2,451	+7.5	-1.8	-2.9	2,522	2,084	2,679	2,410	+4.6	19,737	19,236
Measuring and controlling devices	3,754	3,474	3,678	+8.1	-5.5	+0.5	3,728	3,045	3,947	3,265	+14.2	28,379	25,056
Medical instruments and supplies	3,170	3,065	3,090	+3.4	-0.8	-2.1	3,126	2,797	3,381	2,981	+4.9	24,484	23,490
Photographic goods	1,797	1,778	1,801	+1.1	-1.3	-3.1	1,709	1,560	2,070	1,874	-8.8	14,004	14,874
All other durable goods	16,739	16,360	16,502	+2.3	-0.9	+0.9	17,412	14,999	17,535	17,081	+1.9	130,768	127,197
Nondurable goods industries	138,820	137,555	137,884	+0.9	-0.2	+0.3	142,119	131,726	144,575	135,804	+4.7	1,090,524	1,014,823
With unfilled orders	35,812	35,371	35,875	+1.2	-1.4	+2.4	36,721	33,647	36,730	33,695	+9.0	276,069	246,393
Food and kindred products	36,599	36,207	36,009	+1.1	+0.5	+0.7	37,225	34,544	37,163	36,372	+2.3	285,066	279,829
Meat products	8,426	8,422	8,280	0.0	+1.7	+3.7	8,704	8,322	8,524	8,300	+4.9	65,386	63,795
Dairy products	4,640	4,571	4,588	+1.5	-0.4	-0.5	4,733	4,475	4,825	4,718	+0.3	37,297	36,875
Beverages	5,622	5,382	5,339	+4.5	+0.8	+0.5	6,167	5,601	6,163	5,749	+7.3	43,545	42,134
All other foods, except fats and oils	16,087	16,137	15,979	-0.3	+1.0	-0.4	15,797	14,451	15,828	15,770	+0.2	123,809	122,554
Tobacco products	2,886	2,965	2,758	-2.7	+7.5	-7.4	2,944	2,849	2,899	2,802	+5.1	22,849	21,433
Textile mill products	6,230	6,161	6,267	+1.1	-1.7	-0.5	6,627	5,455	6,933	6,678	-0.8	49,822	48,428
Broadwoven fabrics and other textiles	3,848	3,742	3,849	+2.8	-2.8	-1.0	4,037	3,200	4,199	4,081	-1.1	30,966	30,097
Paper and allied products	14,036	13,900	14,220	+1.0	-2.3	+1.5	14,298	13,513	14,878	12,087	+18.3	109,779	88,962
Pulp, paper, and paperboard mill products	6,239	6,189	6,235	+0.8	-0.7	+1.5	6,264	6,097	6,482	4,775	+31.2	47,934	35,134
Paperboard containers and boxes	3,664	3,636	3,750	+0.8	-3.0	-0.1	3,789	3,504	3,910	3,242	+16.9	29,296	23,156
Miscellaneous converted paper products	4,133	4,075	4,235	+1.4	-3.8	+3.0	4,245	3,912	4,486	4,070	+4.3	32,549	30,67[illegible]
Chemicals and allied products	31,098	31,058	30,706	+0.1	+1.1	+0.9	30,963	29,342	32,794	28,966	+6.9	246,506	224,36[illegible]
Industrial chemicals	16,818	16,673	17,037	+0.9	-2.1	+1.2	16,852	16,072	18,113	15,525	+8.5	135,738	117,01[illegible]
Drugs, soaps, and toiletries	10,648	10,496	10,169	+1.4	+3.2	-0.6	10,776	9,708	10,659	10,372	+3.9	80,810	79,42[illegible]
Petroleum and coal products	12,803	12,727	13,016	+0.6	-2.2	-4.1	13,528	13,231	14,086	13,593	-0.5	103,417	94,13[illegible]
Rubber and plastics products	10,097	9,704	9,870	+4.0	-1.7	-2.1	10,274	8,843	10,722	9,872	+4.1	80,756	75,10[illegible]
All other nondurable goods	25,071	24,833	25,038	+1.0	-0.8	+2.8	26,260	23,949	25,100	25,434	+3.2	192,329	182,56[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94	1995[p]	1994
All manufacturing industries	301,626	293,863	296,754	+2.6	-1.0	-0.1	300,662	265,461	315,165	285,567	+5.3	2,364,249	2,198,539
ianufacturing industries													
with unfilled orders	166,381	162,682	163,782	+2.3	-0.7	0.0	163,235	145,071	173,820	150,652	+8.4	1,293,636	1,180,312
without defense capital goods	294,980	288,882	291,392	+2.1	-0.9	0.0	294,824	261,580	309,940	281,003	+4.9	2,320,290	2,152,395
urable goods industries	163,567	156,130	159,031	+4.8	-1.8	-0.3	159,432	133,407	170,775	149,592	+6.6	1,271,999	1,179,426
With unfilled orders	131,330	127,133	128,068	+3.3	-0.7	-0.4	127,403	111,096	137,275	116,786	+9.1	1,015,841	929,629
tone, clay, and glass products	7,548	7,381	7,182	+2.3	+2.8	+5.1	8,178	7,502	7,572	7,327	+11.6	57,105	53,367
rimary metals	15,232	14,318	14,329	+6.4	-0.1	-0.9	14,640	12,486	14,575	13,059	+12.1	120,162	104,895
Blast furnaces, steel mills	6,485	6,035	6,063	+7.5	-0.5	-3.7	6,353	5,247	6,131	5,830	+9.0	51,662	46,575
Iron and steel foundries	1,294	1,220	1,223	+6.1	-0.2	+2.3	1,255	955	1,305	1,116	+12.5	10,486	9,861
Nonferrous and other primary metals	7,453	7,063	7,043	+5.5	+0.3	+1.1	7,032	6,284	7,139	6,113	+15.0	58,014	48,459
abricated metal products	15,991	15,756	15,613	+1.5	+0.9	-2.5	16,295	14,112	16,573	15,974	+2.0	126,852	120,751
dustrial machinery and equipment	31,313	29,818	31,934	+5.0	-6.6	+2.4	29,159	24,985	36,142	27,875	+4.6	244,082	221,338
Engines and turbines	1,733	1,639	2,213	+5.7	-25.9	+21.5	1,788	1,320	2,585	2,605	-31.4	13,628	14,298
Construction, mining and material handling equipment	3,254	3,271	3,254	-0.5	+0.5	-0.1	3,034	2,826	3,384	2,723	+11.4	26,281	22,345
Metalworking machinery	3,347	3,507	3,374	-4.6	+3.9	-5.2	3,144	2,890	3,691	3,061	+2.7	27,203	23,713
Computer and office equipment	8,684	8,149	9,245	+6.6	-11.9	+11.0	7,726	6,017	11,847	6,963	+11.0	64,348	57,467
ectronic and other													
:lectrical equipment	26,737	28,304	26,310	-5.5	+7.6	-1.8	25,910	26,033	27,241	22,100	+17.2	207,283	173,914
Electrical transmission and distribution equipment and industrial apparatus	2,955	2,883	2,842	+2.5	+1.4	+0.6	2,923	2,588	3,122	2,534	+15.4	23,067	20,889
Electric lighting and wiring equipment	2,058	1,938	1,783	+6.2	+8.7	-6.8	2,033	1,627	1,875	1,838	+10.6	15,316	14,143
Communications equipment	5,634	6,115	6,337	-7.9	-3.5	-4.1	5,109	5,181	7,222	4,429	+15.4	46,736	35,983
Electronic components	10,697	12,457	10,231	-14.1	+21.8	+0.9	10,249	12,172	9,708	7,922	+29.4	83,049	63,249
ansportation equipment	38,339	33,278	36,082	+15.2	-7.8	-1.1	36,611	23,265	39,335	35,970	+1.8	296,804	293,970
Aircraft, missiles, space vehicles, and parts.	8,704	7,353	6,840	+18.4	+7.5	-16.6	7,654	5,935	7,563	5,618	+36.2	59,890	56,703
Shipbuilding and tanks	445	468	765	-4.9	-38.8	+50.3	426	396	839	406	+4.9	4,979	4,824
struments and related products	11,664	10,856	11,263	+7.4	-3.6	+0.9	11,345	9,550	12,344	10,244	+10.7	87,416	82,431
Search and navigation equipment	2,468	1,974	2,236	+25.0	-11.7	-2.2	2,298	1,583	2,466	1,958	+17.4	17,096	16,489
Measuring and controlling devices	3,833	3,664	3,733	+4.6	-1.8	+2.6	3,807	3,235	4,002	3,173	+20.0	29,156	25,362
Medical instruments and supplies	3,158	3,027	3,087	+4.3	-1.9	+3.5	3,114	2,759	3,378	2,855	+9.1	23,852	22,825
l other durable goods	16,743	16,419	16,318	+2.0	+0.6	-1.5	17,294	15,474	16,993	17,043	+1.5	132,295	128,760
ndurable goods industries	138,059	137,733	137,723	+0.2	0.0	+0.1	141,230	132,054	144,390	135,975	+3.9	1,092,250	1,019,113
With unfilled orders	35,051	35,549	35,714	-1.4	-0.5	+1.7	35,832	33,975	36,545	33,866	+5.8	277,795	250,683

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ;rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ;ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ;ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), 'lanufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94
All manufacturing industries	459,657	460,368	459,979	-0.2	+0.1	-0.4	459,307	461,863	460,551	448,024	+2.5
Manufacturing industries without defense capital goods	351,794	352,661	350,882	-0.2	+0.5	-0.3	352,540	354,606	351,455	338,034	+4.3
Durable goods industries	434,273	434,223	434,012	0.0	0.0	-0.4	433,261	434,928	433,944	423,003	+2.4
Stone, clay, and glass products	7,995	7,785	7,620	+2.7	+2.2	+1.0	8,382	8,082	7,594	7,763	+8.0
Primary metals	27,734	27,403	27,781	+1.2	-1.4	-2.3	27,247	27,544	28,241	25,817	+5.5
Blast furnaces, steel mills	11,745	11,436	11,446	+2.7	-0.1	-1.4	11,557	11,429	11,637	10,892	+6.1
Iron and steel foundries	3,596	3,639	3,737	-1.2	-2.6	-2.4	3,582	3,681	3,750	3,479	+3.0
Nonferrous and other primary metals	12,393	12,328	12,598	+0.5	-2.1	-3.1	12,108	12,434	12,854	11,446	+5.8
Fabricated metal products	21,310	21,418	21,424	-0.5	0.0	-0.1	21,490	21,589	21,480	20,962	+2.5
Industrial machinery and equipment	72,790	72,817	73,212	0.0	-0.5	+1.4	72,213	72,214	72,835	62,900	+14.8
Engines and turbines	10,146	10,232	10,342	-0.8	-1.1	+5.0	10,206	10,048	9,950	10,753	-5.1
Construction, mining and material handling equipment	7,969	7,937	7,898	+0.4	+0.5	+0.6	7,746	7,779	7,883	6,494	+19.3
Metalworking machinery	10,917	11,126	11,081	-1.9	+0.4	-0.7	10,917	11,126	11,081	9,358	+16.7
Computer and office equipment	12,212	12,267	12,487	-0.4	-1.8	+4.4	12,359	12,411	12,791	10,371	+19.2
Electronic and other electrical equipment	54,468	54,819	52,304	-0.6	+4.8	-0.3	54,482	55,327	52,019	45,465	+19.8
Electrical transmission and distribution equipment and industrial apparatus	6,001	6,030	5,991	-0.5	+0.7	-1.6	6,010	6,034	5,973	5,972	+0.6
Electric lighting and wiring equipment	3,979	3,853	3,806	+3.3	+1.2	-2.1	3,979	3,853	3,806	3,508	+13.4
Communications equipment	16,117	16,671	16,629	-3.3	+0.3	-1.0	16,099	16,700	16,627	13,988	+15.1
Electronic components	23,058	22,867	20,485	+0.8	+11.6	+1.1	23,058	23,399	20,375	16,223	+42.1
Transportation equipment	195,883	195,839	197,321	0.0	-0.8	-0.9	195,257	195,709	197,465	203,346	-4.0
Aircraft, missiles, space vehicles, and parts	166,184	165,687	166,528	+0.3	-0.5	-1.0	165,545	165,541	166,793	174,706	-5.2
Shipbuilding and tanks	17,197	17,623	17,940	-2.4	-1.8	-0.5	17,245	17,681	18,016	16,204	+6.4
Instruments and related products	46,030	46,083	46,350	-0.1	-0.6	-0.4	45,600	45,755	46,077	48,259	-5.5
Search and navigation equipment	29,505	29,623	30,055	-0.4	-1.4	-0.7	29,066	29,290	29,791	31,543	-7.9
Measuring and controlling devices	10,026	9,947	9,757	+0.8	+1.9	+0.6	10,026	9,947	9,757	9,138	+9.7
Medical instruments and supplies	5,660	5,672	5,710	-0.2	-0.7	-0.1	5,660	5,672	5,710	6,791	-16.7
All other durable goods	8,063	8,059	8,000	0.0	+0.7	-2.2	8,590	8,708	8,233	8,491	+1.2
Nondurable goods industries	25,384	26,145	25,967	-2.9	+0.7	-0.6	26,046	26,935	26,607	25,021	+4.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94
All manufacturing industries	412,467	412,423	410,011	0.0	+0.6	+0.4	416,188	414,628	408,950	390,510	+6.6
Manufacturing industries with unfilled orders	276,893	276,353	274,190	+0.2	+0.8	+0.6	280,943	279,463	274,612	260,447	+7.9
without defense capital goods	390,881	390,646	387,995	+0.1	+0.7	+0.4	394,094	392,480	386,754	366,009	+7.7
Durable goods industries	259,745	259,532	257,442	+0.1	+0.8	+0.3	262,516	261,070	256,720	246,726	+6.4
With unfilled orders	238,187	237,799	236,120	+0.2	+0.7	+0.4	241,395	239,993	236,022	226,375	+6.6
Stone, clay, and glass products	8,493	8,450	8,370	+0.5	+1.0	+1.1	8,456	8,553	8,447	7,398	+14.3
Primary metals	21,962	21,984	21,900	-0.1	+0.4	+0.7	22,097	22,149	21,726	20,022	+10.4
Blast furnaces, steel mills	10,514	10,473	10,466	+0.4	+0.1	+0.8	10,556	10,606	10,284	9,587	+10.1
Iron and steel foundries	1,636	1,677	1,659	-2.4	+1.1	+1.3	1,621	1,654	1,677	1,531	+5.9
Nonferrous and other primary metals	9,812	9,834	9,775	-0.2	+0.6	+0.5	9,920	9,889	9,765	8,904	+11.4
Fabricated metal products	25,412	25,612	25,606	-0.8	0.0	+0.3	25,471	25,828	25,912	23,837	+6.9
Industrial machinery and equipment	52,656	52,609	52,318	+0.1	+0.6	0.0	53,313	52,795	51,820	49,986	+6.7
Engines and turbines	3,828	3,854	3,871	-0.7	-0.4	+2.3	4,033	3,917	3,832	3,905	+3.3
Farm and garden machinery	2,685	2,717	2,766	-1.2	-1.8	-0.5	2,505	2,483	2,568	2,448	+2.3
Construction, mining and material handling equipment	6,465	6,453	6,455	+0.2	0.0	-0.5	6,420	6,397	6,496	5,845	+9.8
Metalworking machinery	6,266	6,238	6,126	+0.4	+1.8	+0.8	6,485	6,378	6,113	5,879	+10.3
Computer and office equipment	11,423	11,424	11,352	0.0	+0.6	-0.9	11,960	11,811	11,066	12,431	-3.8
Electronic and other electrical equipment	45,329	44,788	43,796	+1.2	+2.3	+1.2	46,093	45,390	43,973	38,462	+19.8
Electrical transmission and distribution equipment and industrial apparatus	4,844	4,855	4,824	-0.2	+0.6	+0.4	4,934	4,926	4,838	4,598	+7.3
Household appliances	2,837	2,865	2,846	-1.0	+0.7	-1.5	2,721	2,812	2,932	2,590	+5.1
Electric lighting and wiring equipment	3,303	3,282	3,247	+0.6	+1.1	-1.0	3,353	3,357	3,325	3,044	+10.2
Household audio and video equipment	1,614	1,567	1,548	+3.0	+1.2	+0.5	1,769	1,692	1,653	1,265	+39.8
Communications equipment	14,684	14,420	14,098	+1.8	+2.3	+0.6	14,880	14,528	14,062	11,421	+30.3
Electronic components	14,291	13,988	13,534	+2.2	+3.4	+3.1	14,534	14,190	13,405	12,004	+21.1
Transportation equipment	58,813	59,069	58,756	-0.4	+0.5	-0.8	59,617	59,109	57,960	60,723	-1.8
Motor vehicles and parts	12,199	12,500	12,360	-2.4	+1.1	-0.7	12,350	12,307	11,873	12,028	+2.7
Aircraft, missiles, space vehicles, and parts	41,883	41,880	41,862	0.0	0.0	-0.3	42,561	42,120	41,644	44,645	-4.7
Shipbuilding and tanks	1,544	1,631	1,528	-5.3	+6.7	+0.7	1,565	1,696	1,513	1,440	+8.7
Instruments and related products	22,262	22,244	22,140	+0.1	+0.5	+1.3	22,656	22,487	22,342	22,314	+1.5
Search and navigation equipment	5,347	5,377	5,435	-0.6	-1.1	+1.0	5,495	5,481	5,492	5,871	-6.4
Measuring and controlling devices	7,288	7,225	7,102	+0.9	+1.7	+1.7	7,368	7,283	7,156	6,555	+12.4
Medical instruments and supplies	6,192	6,202	6,133	-0.2	+1.1	+0.6	6,285	6,238	6,174	6,320	-0.6
Photographic goods	2,565	2,565	2,596	0.0	-1.2	+3.6	2,642	2,603	2,635	2,731	-3.3
All other durable goods	24,818	24,776	24,556	+0.2	+0.9	-0.1	24,813	24,759	24,540	23,984	+3.5
Nondurable goods industries	152,722	152,891	152,569	-0.1	+0.2	+0.7	153,672	153,558	152,230	143,784	+6.9
With unfilled orders	38,706	38,554	38,070	+0.4	+1.3	+2.0	39,548	39,470	38,590	34,072	+16.1
Food and kindred products	30,623	30,878	31,010	-0.8	-0.4	-0.1	30,674	30,097	29,574	31,005	-1.1
Meat products	3,580	3,554	3,533	+0.7	+0.6	+0.3	3,598	3,617	3,600	3,472	+3.6
Dairy products	2,596	2,658	2,616	-2.3	+1.6	+0.5	2,658	2,764	2,712	2,777	-4.3
Beverages	5,206	5,300	5,312	-1.8	-0.2	-0.6	5,102	5,260	5,281	5,206	-2.0
All other foods, except fats and oils	17,568	17,744	18,004	-1.0	-1.4	-0.1	17,832	16,914	16,503	18,081	-1.4
Tobacco products	5,467	5,358	5,308	+2.0	+0.9	-0.5	5,281	5,041	5,029	5,520	-4.3
Textile mill products	10,309	10,260	10,252	+0.5	+0.1	+0.7	10,374	10,474	10,392	9,728	+6.6
Broadwoven fabrics and other textiles	5,836	5,803	5,763	+0.6	+0.7	+1.3	5,836	5,890	5,776	5,410	+7.9
Paper and allied products	15,947	15,848	15,551	+0.6	+1.9	+3.3	15,994	15,955	15,679	13,533	+18.2
Pulp, paper, and paperboard mill products	6,266	6,149	5,943	+1.9	+3.5	+3.0	6,285	6,146	5,955	5,577	+12.7
Paperboard containers and boxes	4,555	4,539	4,359	+0.4	+4.1	+4.0	4,573	4,602	4,392	3,285	+39.2
Miscellaneous converted paper products	5,126	5,160	5,249	-0.7	-1.7	+3.1	5,136	5,207	5,332	4,671	+10.0
Chemicals and allied products	35,996	36,116	36,009	-0.3	+0.3	+0.8	35,872	36,068	35,781	33,957	+5.6
Industrial chemicals	17,969	18,040	17,750	-0.4	+1.6	+0.1	17,879	18,079	17,618	15,984	+11.9
Drugs, soaps, and toiletries	13,206	13,188	13,252	+0.1	-0.5	+1.1	13,497	13,397	13,439	13,860	-2.6
Petroleum and coal products	10,755	10,878	11,167	-1.1	-2.6	-1.2	10,952	11,116	11,423	10,844	+1.0
Rubber and plastics products	14,309	14,328	14,299	-0.1	+0.2	+0.9	14,108	14,303	14,249	12,492	+12.9
All other nondurable goods	29,316	29,225	28,973	+0.3	+0.9	+0.9	30,417	30,504	30,103	26,705	+13.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	302,337	293,474	298,712	+3.0	-1.8	+0.5	303,218	264,149	321,334	288,395	+5.1	2,356,710	2,188,873
Market categories													
Automotive equipment	14,267	12,392	13,654	+15.1	-9.2	+0.2	13,986	8,382	14,874	14,264	-1.9	112,258	109,420
Home goods and apparel	19,751	19,502	19,626	+1.3	-0.6	+0.8	21,097	18,069	20,459	20,643	+2.2	152,942	147,023
Consumer staples	61,316	60,849	60,380	+0.8	+0.8	-0.1	62,602	58,571	62,906	61,043	+2.6	476,784	460,292
Machinery and equipment	54,486	51,787	54,646	+5.2	-5.2	+2.4	51,571	43,002	62,173	48,148	+7.1	419,402	381,471
Business supplies	22,809	22,639	22,679	+0.8	-0.2	+1.8	22,878	21,382	23,547	21,681	+5.5	177,177	164,371
Construction materials and supplies	18,840	18,541	18,369	+1.6	+0.9	+0.2	19,833	17,590	19,883	19,376	+2.4	147,978	141,649
Defense products	6,969	6,804	6,948	+2.4	-2.1	-1.6	6,842	6,188	7,415	7,301	-6.3	54,499	56,824
Other materials, supplies and and intermediate products	103,899	100,960	102,410	+2.9	-1.4	0.0	104,409	90,965	110,077	95,939	+8.8	815,670	727,823
Durable goods industries													
Nondefense capital goods [3]	42,353	41,029	43,034	+3.2	-4.7	+2.7	39,620	35,127	50,067	35,488	+11.6	323,239	284,404
Excluding aircraft and parts	37,514	36,263	37,988	+3.4	-4.5	+2.4	35,251	31,088	43,888	31,145	+13.2	284,300	247,119
Defense capital goods [4]	6,490	6,371	6,439	+1.9	-1.1	-2.9	6,328	5,720	6,916	6,851	-7.6	50,297	53,292
Durables excluding capital goods	114,674	108,519	111,355	+5.7	-2.5	+0.2	115,151	91,576	119,776	110,252	+4.4	892,650	836,354
Miscellaneous series													
Producers' durable equipment	104,456	97,960	102,868	+6.6	-4.8	+1.4	100,851	79,153	114,735	96,331	+4.7	805,565	754,584
Household durable goods	8,691	8,431	8,430	+3.1	0.0	+1.2	8,962	7,313	8,686	8,459	+5.9	65,027	61,779
Information technology industries	20,763	19,934	20,964	+4.2	-4.9	+1.8	19,226	16,309	25,160	16,742	+14.8	153,252	132,977
Health care equipment and products	8,948	8,753	8,613	+2.2	+1.6	-1.2	8,975	8,052	9,174	8,614	+4.2	68,391	66,629
NEW ORDERS													
All manufacturing industries	301,626	293,863	296,754	+2.6	-1.0	-0.1	300,662	265,461	315,165	285,567	+5.3	2,364,249	2,198,539
Market categories													
Automotive equipment	14,269	12,375	13,647	+15.3	-9.3	+0.3	13,998	8,412	14,820	14,310	-2.2	112,198	109,639
Home goods and apparel	19,541	19,190	19,490	+1.8	-1.5	-3.1	20,833	18,180	20,284	20,467	+1.8	155,391	149,696
Consumer staples	61,355	61,001	60,446	+0.6	+0.9	-0.1	62,682	58,767	63,030	61,150	+2.5	477,210	460,441
Machinery and equipment	53,688	50,898	54,243	+5.5	-6.2	-0.1	50,593	41,812	61,202	47,566	+6.4	421,101	381,986
Business supplies	22,912	22,750	22,642	+0.7	+0.5	+1.6	23,047	21,466	23,392	21,720	+6.1	177,892	164,776
Construction materials and supplies	19,056	18,695	18,174	+1.9	+2.9	-0.7	20,026	17,872	19,505	19,326	+3.6	148,794	143,151
Defense products	7,138	5,740	5,833	+24.4	-1.6	-3.9	6,385	4,673	5,739	4,829	+32.2	48,709	49,954
Other materials, supplies and and intermediate products	103,667	103,214	102,279	+0.4	+0.9	+0.4	103,098	94,279	107,193	96,199	+7.2	822,954	738,896
Durable goods industries													
Nondefense capital goods [3]	41,389	40,233	42,964	+2.9	-6.4	-0.4	38,761	34,064	49,514	35,366	+9.6	325,540	285,954
Excluding aircraft and parts	36,652	35,838	38,979	+2.3	-8.1	+3.0	34,494	30,396	44,396	32,345	+6.6	290,224	257,341
Defense capital goods [4]	6,646	4,981	5,362	+33.4	-7.1	-3.4	5,838	3,881	5,225	4,564	+27.9	43,959	46,144
Durables excluding capital goods	115,532	110,916	110,705	+4.2	+0.2	-0.1	114,833	95,462	116,036	109,662	+4.7	902,500	847,328
Miscellaneous series													
Producers' durable equipment	103,659	97,032	102,288	+6.8	-5.1	-0.3	100,153	78,790	113,004	96,578	+3.7	809,950	762,083
Household durable goods	8,614	8,553	8,571	+0.7	-0.2	-0.6	8,912	7,777	8,659	8,516	+4.7	66,388	63,325
Information technology industries	20,154	19,976	21,292	+0.9	-6.2	+3.4	18,619	16,203	25,312	16,798	+10.8	155,858	135,861
Health care equipment and products	8,935	8,715	8,609	+2.5	+1.2	+0.8	8,962	8,015	9,170	8,488	+5.6	67,761	65,965

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment, metalworking machinery, special industry machinery; general industrial machinery, computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and en and parts; ships and tank components, railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include ordnance and accessories, communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components, and search and navigation equipment.

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94
UNFILLED ORDERS											
All manufacturing industries	459,657	460,368	459,979	-0.2	+0.1	-0.4	459,307	461,863	460,551	448,024	+2.5
Market categories :											
Automotive equipment	2,086	2,084	2,101	+0.1	-0.8	-0.3	2,086	2,074	2,045	2,121	-1.7
Home goods and apparel	9,954	10,164	10,477	-2.1	-3.0	-1.3	10,777	11,041	10,931	11,336	-4.9
Consumer staples	1,977	1,938	1,785	+2.0	+8.6	+3.8	2,057	1,977	1,781	1,626	+26.5
Machinery and equipment	182,894	183,692	184,580	-0.4	-0.5	-0.2	182,530	183,508	184,699	180,739	+1.0
Business supplies	6,431	6,328	6,218	+1.6	+1.8	-0.6	6,523	6,355	6,270	5,772	+13.0
Construction materials and supplies	16,033	15,816	15,662	+1.4	+1.0	-1.2	16,255	16,062	15,780	15,377	+5.7
Defense products	102,553	102,384	103,448	+0.2	-1.0	-1.1	101,447	101,905	103,419	104,040	-2.5
Other materials, supplies and and intermediate products	137,729	137,962	135,708	-0.2	+1.7	-0.1	137,632	138,941	135,626	127,013	+8.4
Durable goods industries :											
Nondefense capital goods [3]	202,611	203,575	204,371	-0.5	-0.4	0.0	202,217	203,076	204,139	198,887	+1.7
Excluding aircraft and parts	97,325	98,187	98,612	-0.9	-0.4	+1.0	96,931	97,688	98,380	85,880	+12.9
Defense capital goods [4]	107,863	107,707	109,097	+0.1	-1.3	-1.0	106,767	107,257	109,096	109,990	-2.9
Durables excluding capital goods	123,799	122,941	120,544	+0.7	+2.0	-0.5	124,277	124,595	120,709	114,126	+8.9
Miscellaneous series :											
Producers' durable equipment	217,729	218,526	219,454	-0.4	-0.4	-0.3	218,099	218,797	219,160	213,642	+2.1
Household durable goods	6,072	6,149	6,027	-1.3	+2.0	+2.4	6,558	6,608	6,144	6,381	+2.8
Information technology industries	39,369	39,978	39,936	-1.5	+0.1	+0.8	39,535	40,142	40,248	34,970	+13.1
Health care equipment and products	5,691	5,703	5,742	-0.2	-0.7	-0.1	5,691	5,705	5,742	6,823	-16.6
TOTAL INVENTORIES											
All manufacturing industries	412,467	412,423	410,011	0.0	+0.6	+0.4	416,188	414,628	408,950	390,510	+6.6
Market categories :											
Automotive equipment	6,665	6,742	6,609	-1.1	+2.0	-0.4	6,674	6,574	6,379	6,184	+7.9
Home goods and apparel	33,922	33,869	33,885	+0.2	0.0	+0.2	34,571	34,903	35,149	32,231	+7.3
Consumer staples	58,511	58,728	59,053	-0.4	-0.6	+0.2	58,995	58,223	57,977	58,926	+0.1
Machinery and equipment	100,924	100,436	99,317	+0.5	+1.1	-0.1	102,189	100,675	98,544	94,747	+7.9
Business supplies	23,897	23,969	23,947	-0.3	+0.1	+1.3	24,327	24,333	24,023	21,595	+12.7
Construction materials and supplies	26,435	26,453	26,224	-0.1	+0.9	0.0	26,440	26,657	26,485	24,760	+6.8
Defense products	21,040	21,197	21,389	-0.7	-0.9	+0.3	21,507	21,549	21,562	23,593	-8.8
Other materials, supplies and and intermediate products	141,073	141,029	139,587	0.0	+1.0	+0.9	141,485	141,714	138,831	128,474	+10.1
Durable goods industries :											
Nondefense capital goods [3]	95,633	95,145	94,131	+0.5	+1.1	-0.2	97,086	95,829	93,527	89,698	+8.2
Excluding aircraft and parts	68,952	68,539	67,797	+0.6	+1.1	-0.2	70,092	69,217	67,560	62,793	+11.6
Defense capital goods [4]	21,586	21,777	22,016	-0.9	-1.1	0.0	22,094	22,148	22,196	24,501	-9.8
Durables excluding capital goods	142,526	142,610	141,295	-0.1	+0.9	+0.6	143,336	143,093	140,997	132,527	+8.2
Miscellaneous series :											
Producers' durable equipment	161,865	161,781	160,296	+0.1	+0.9	+0.2	163,665	162,378	159,646	151,948	+7.7
Household durable goods	14,712	14,792	14,873	-0.5	-0.5	+0.2	14,974	15,106	15,195	14,278	+4.9
Information technology industries	36,567	36,251	35,750	+0.9	+1.4	+0.4	37,476	36,848	35,508	33,864	+10.7
Health care equipment and products	13,390	13,391	13,356	0.0	+0.3	+0.9	13,636	13,539	13,495	13,847	-1.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1995[p]	July 1995[r]	June 1995	July-Aug.	June-July	May-June	Aug. 1995[p]	July 1995[r]	June 1995	Aug. 1994	Aug. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	136,713	136,023	135,168	+0.5	+0.6	+0.8	137,458	136,249	134,463	124,930	+10.0
Durable goods industries	79,787	79,171	78,441	+0.8	+0.9	+0.7	80,697	79,272	77,692	73,107	+10.4
Stone, clay, and glass products	2,890	2,842	2,823	+1.7	+0.7	+0.8	2,915	2,849	2,838	2,565	+13.6
Primary metals	6,849	6,772	6,744	+1.1	+0.4	+0.3	6,900	6,783	6,670	6,167	+11.9
Fabricated metal products	8,880	9,005	9,000	-1.4	+0.1	-0.9	8,882	9,007	8,998	8,076	+10.0
Industrial machinery and equipment	17,859	17,686	17,477	+1.0	+1.2	-1.5	18,160	17,683	17,294	16,657	+9.0
Electronic and other electrical equipment	16,106	15,579	15,237	+3.4	+2.2	+4.2	16,365	15,756	15,167	12,392	+32.1
Transportation equipment	10,041	10,219	10,336	-1.7	-1.1	+0.6	10,135	10,153	10,172	10,962	-7.5
Instruments and related products	7,062	7,032	6,970	+0.4	+0.9	+1.0	7,156	7,079	7,013	6,798	+5.3
Lumber, furniture and miscellaneous durable goods	10,100	10,036	9,854	+0.6	+1.8	+0.8	10,184	9,962	9,540	9,490	+7.3
Nondurable goods industries	56,926	56,852	56,727	+0.1	+0.2	+0.9	56,761	56,977	56,771	51,823	+9.5
Food and kindred products	10,224	10,257	10,163	-0.3	+0.9	+1.1	9,920	10,005	10,003	9,699	+2.3
Tobacco products	4,658	4,650	4,614	+0.2	+0.8	-0.7	4,516	4,418	4,413	4,705	-4.0
Textile mill products	2,988	2,982	3,014	+0.2	-1.1	+0.6	2,999	3,075	3,063	2,814	+6.6
Paper and allied products	8,195	8,117	8,020	+1.0	+1.2	+2.5	8,179	8,121	8,026	6,734	+21.5
Chemicals and allied products	11,645	11,754	11,819	-0.9	-0.5	+1.3	11,638	11,827	11,839	11,270	+3.3
Petroleum and coal products	3,274	3,278	3,347	-0.1	-2.1	+0.5	3,363	3,376	3,475	3,075	+9.4
Rubber and plastics products	5,407	5,407	5,426	0.0	-0.4	+1.5	5,321	5,428	5,373	4,618	+15.2
Apparel, printing and publishing and leather goods	10,535	10,407	10,324	+1.2	+0.8	-0.4	10,825	10,727	10,579	8,908	+21.5
WORK IN PROCESS											
All manufacturing industries	133,211	133,687	132,610	-0.4	+0.8	-0.2	135,077	134,693	131,668	131,586	+2.7
Durable goods industries	108,533	108,897	107,902	-0.3	+0.9	-0.5	110,362	109,795	107,351	107,740	+2.4
Stone, clay, and glass products	1,331	1,360	1,336	-2.1	+1.8	+3.2	1,336	1,398	1,368	1,048	+27.5
Primary metals	8,216	8,217	8,160	0.0	+0.7	+0.7	8,352	8,338	8,095	7,558	+10.5
Fabricated metal products	8,002	8,040	8,041	-0.5	0.0	+1.0	8,108	8,090	8,024	7,782	+4.2
Industrial machinery and equipment	19,611	19,677	19,540	-0.3	+0.7	+0.2	20,000	19,792	19,278	19,331	+3.5
Electronic and other electrical equipment	16,463	16,708	16,446	-1.5	+1.6	-0.8	16,712	16,916	16,386	15,684	+6.6
Transportation equipment	40,636	40,537	40,074	+0.2	+1.2	-1.4	41,302	40,680	39,757	41,718	-1.0
Instruments and related products	9,267	9,305	9,243	-0.4	+0.7	+0.2	9,494	9,479	9,347	9,443	+0.5
Lumber, furniture and miscellaneous durable goods	5,007	5,053	5,062	-0.9	-0.2	-1.0	5,058	5,102	5,096	5,176	-2.3
Nondurable goods industries	24,678	24,790	24,708	-0.5	+0.3	+0.9	24,715	24,898	24,317	23,846	+3.6
Food and kindred products	4,036	4,101	4,111	-1.6	-0.2	+1.4	3,682	3,861	3,833	3,747	-1.7
Tobacco products	291	224	184	+29.9	+21.7	+3.4	240	166	136	144	+66.7
Textile mill products	2,749	2,713	2,679	+1.3	+1.3	+1.0	2,773	2,751	2,672	2,579	+7.5
Paper and allied products	1,470	1,453	1,413	+1.2	+2.8	+2.7	1,501	1,496	1,445	1,223	+22.7
Chemicals and allied products	5,573	5,605	5,559	-0.6	+0.8	+1.4	5,636	5,668	5,502	5,548	+1.6
Petroleum and coal products	2,159	2,164	2,277	-0.2	-5.0	-4.4	2,224	2,207	2,327	2,408	-7.6
Rubber and plastics products	2,055	2,075	2,083	-1.0	-0.4	-1.8	2,041	2,044	2,017	1,854	+10.1
Apparel, printing and publishing and leather goods	6,345	6,455	6,402	-1.7	+0.8	+2.4	6,618	6,705	6,385	6,343	+4.3
FINISHED GOODS											
All manufacturing industries	142,543	142,713	142,233	-0.1	+0.3	+0.7	143,653	143,686	142,819	133,994	+7.2
Durable goods industries	71,425	71,464	71,099	-0.1	+0.5	+0.9	71,457	72,003	71,677	65,879	+8.5
Stone, clay, and glass products	4,272	4,248	4,211	+0.6	+0.9	+0.7	4,205	4,306	4,241	3,785	+11.1
Primary metals	6,897	6,995	6,996	-1.4	0.0	+1.2	6,845	7,028	6,961	6,297	+8.7
Fabricated metal products	8,530	8,567	8,565	-0.4	0.0	+0.9	8,481	8,731	8,890	7,979	+6.3
Industrial machinery and equipment	15,186	15,246	15,301	-0.4	-0.4	+1.5	15,153	15,320	15,248	13,998	+8.3
Electronic and other electrical equipment	12,760	12,501	12,113	+2.1	+3.2	+0.4	13,016	12,718	12,420	10,386	+25.3
Transportation equipment	8,136	8,313	8,346	-2.1	-0.4	+0.5	8,180	8,276	8,031	8,043	+1.7
Instruments and related products	5,933	5,907	5,927	+0.4	-0.3	+3.6	6,006	5,929	5,982	6,073	-1.1
Lumber, furniture and miscellaneous durable goods	9,711	9,687	9,640	+0.2	+0.5	-0.6	9,571	9,695	9,904	9,318	+2.7
Nondurable goods industries	71,118	71,249	71,134	-0.2	+0.2	+0.5	72,196	71,683	71,142	68,115	+6.0
Food and kindred products	16,363	16,520	16,736	-1.0	-1.3	-1.2	17,072	16,231	15,738	17,559	-2.8
Tobacco products	518	484	510	+7.0	-5.1	-0.6	525	457	480	671	-21.8
Textile mill products	4,572	4,565	4,559	+0.2	+0.1	+0.6	4,602	4,648	4,657	4,335	+6.2
Paper and allied products	6,282	6,278	6,118	+0.1	+2.6	+4.6	6,314	6,338	6,208	5,576	+13.2
Chemicals and allied products	18,778	18,757	18,631	+0.1	+0.7	+0.3	18,598	18,573	18,440	17,139	+8.5
Petroleum and coal products	5,322	5,436	5,543	-2.1	-1.9	-0.8	5,365	5,533	5,621	5,361	+0.1
Rubber and plastics products	6,847	6,846	6,790	0.0	+0.8	+1.2	6,746	6,831	6,859	6,020	+12.1
Apparel, printing and publishing and leather goods	12,436	12,363	12,247	+0.6	+0.9	+1.3	12,974	13,072	13,139	11,454	+13.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1995[p]	July 1995[r]	June 1995	May 1995	Aug. 1995[p]	July 1995[r]	June 1995	May 1995
All manufacturing industries	1.36	1.41	1.37	1.37	2.75	2.84	2.78	2.82
Durable goods industries	1.59	1.66	1.60	1.61	3.31	3.42	3.34	3.38
Stone, clay, and glass products	1.16	1.17	1.18	1.19	1.15	1.14	1.14	1.15
Primary metals	1.47	1.50	1.46	1.43	1.86	1.86	1.85	1.87
Fabricated metal products	1.58	1.62	1.64	1.62	1.44	1.48	1.49	1.49
Industrial machinery and equipment	1.68	1.74	1.69	1.70	2.47	2.57	2.52	2.48
Electronic and other electrical equipment	1.67	1.74	1.66	1.69	2.01	2.13	1.98	2.05
Transportation equipment	1.54	1.70	1.55	1.59	10.97	11.30	10.80	11.10
Instruments and related products	1.90	2.00	1.94	1.88	3.93	4.14	4.05	4.01
Nondurable goods industries	1.10	1.11	1.11	1.10	0.71	0.74	0.72	0.75
Food and kindred products	0.84	0.85	0.86	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.89	1.81	1.92	1.79	(X)	(X)	(X)	(X)
Textile mill products	1.65	1.67	1.64	1.62	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.14	1.09	1.07	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.16	1.16	1.17	1.17	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.85	0.86	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.42	1.48	1.45	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1995	Aug.[2] 1990-1994	Aug. 1994-July 1995	Aug.[1] 1995	Aug.[2] 1990-1994	Aug. 1994-July 1995	Aug.[1] 1995	Aug.[2] 1990-1994	Aug. 1994-July 1995	Aug.[1] 1995	Aug.[2] 1990-1994	Aug. 1994-July 1995
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.1
Durable goods industries	0.2	0.3	0.2	-0.1	0.3	0.3	-0.2	0.1	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.5	0.6	(X)	0.8	1.0	(X)	0.4	0.5	(X)	0.2	0.1
Primary metals	-0.1	0.3	0.5	-0.1	0.9	1.1	0.0	0.4	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.3	0.3	(X)	0.6	0.6	(X)	0.3	0.3	(X)	0.2	0.2
Industrial machinery and equipment	0.4	0.2	0.4	0.4	0.3	0.6	0.0	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.2	0.4	-0.4	0.6	0.7	-0.1	0.2	0.3	(X)	0.1	0.1
Transportation equipment	0.6	1.0	0.5	-0.5	0.9	0.9	-0.2	0.2	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.4	0.3	(X)	0.8	1.0	(X)	0.2	0.2	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.2
Chemicals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Capital goods industries :												
Nondefense	0.3	0.7	0.3	0.3	0.5	0.7	0.0	0.1	0.1	(X)	0.0	0.1
Defense	1.0	0.7	0.4	-3.9	3.5	2.2	-0.3	0.2	0.1	(X)	0.1	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

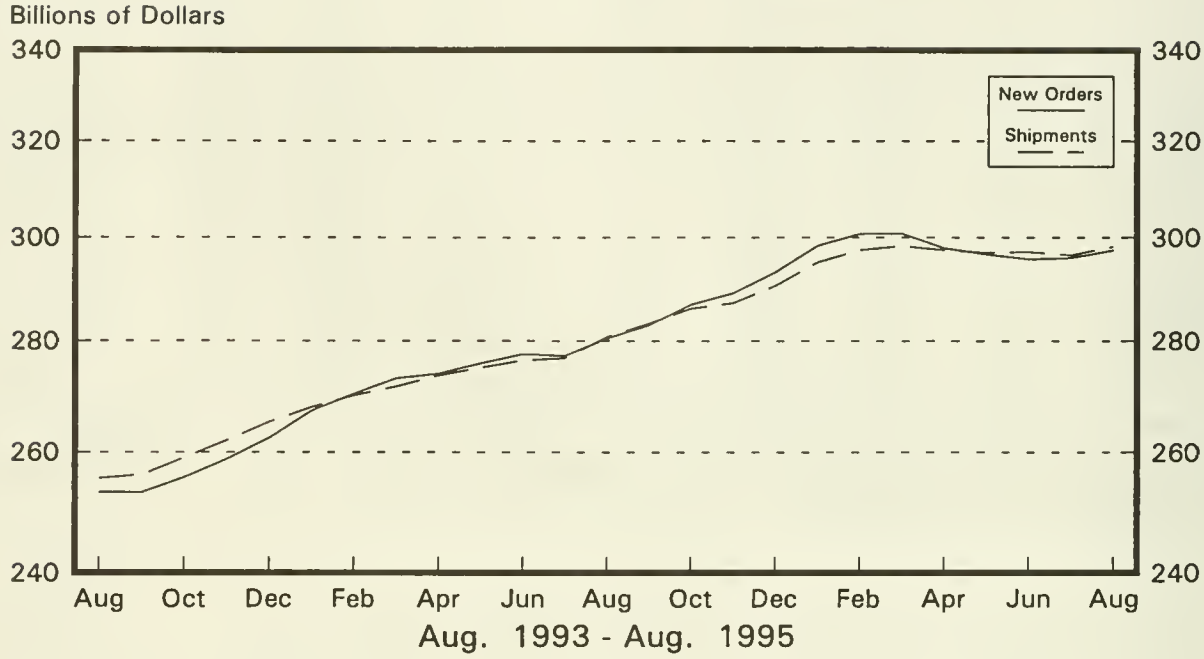
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

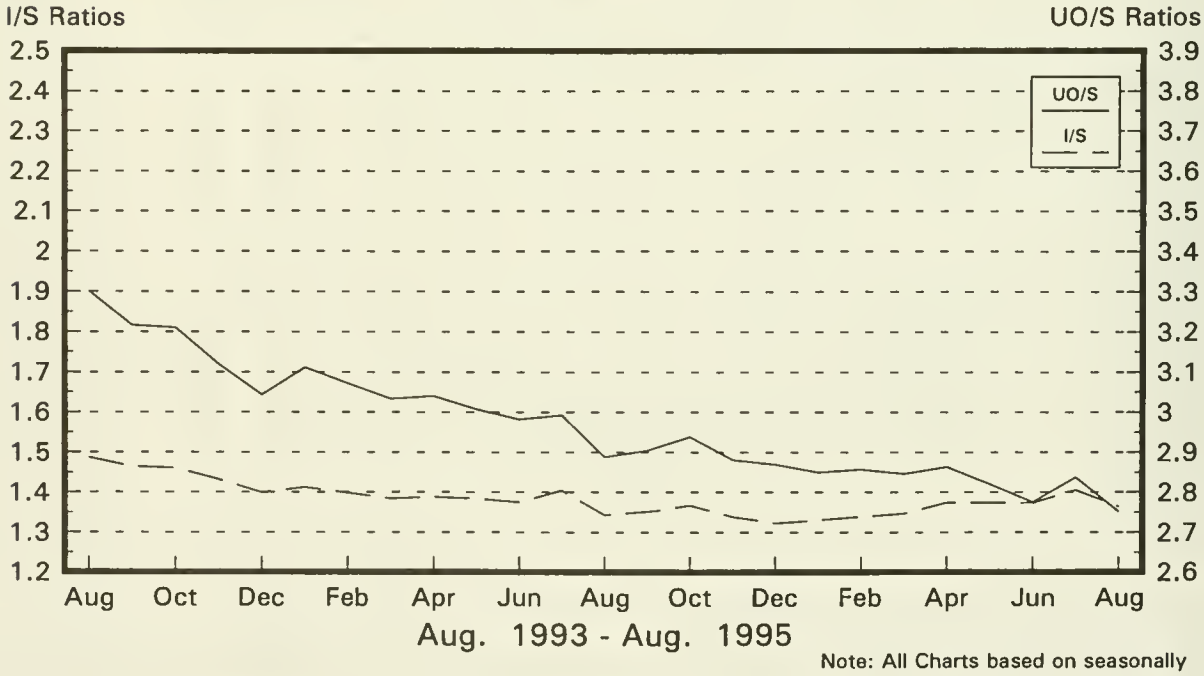
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

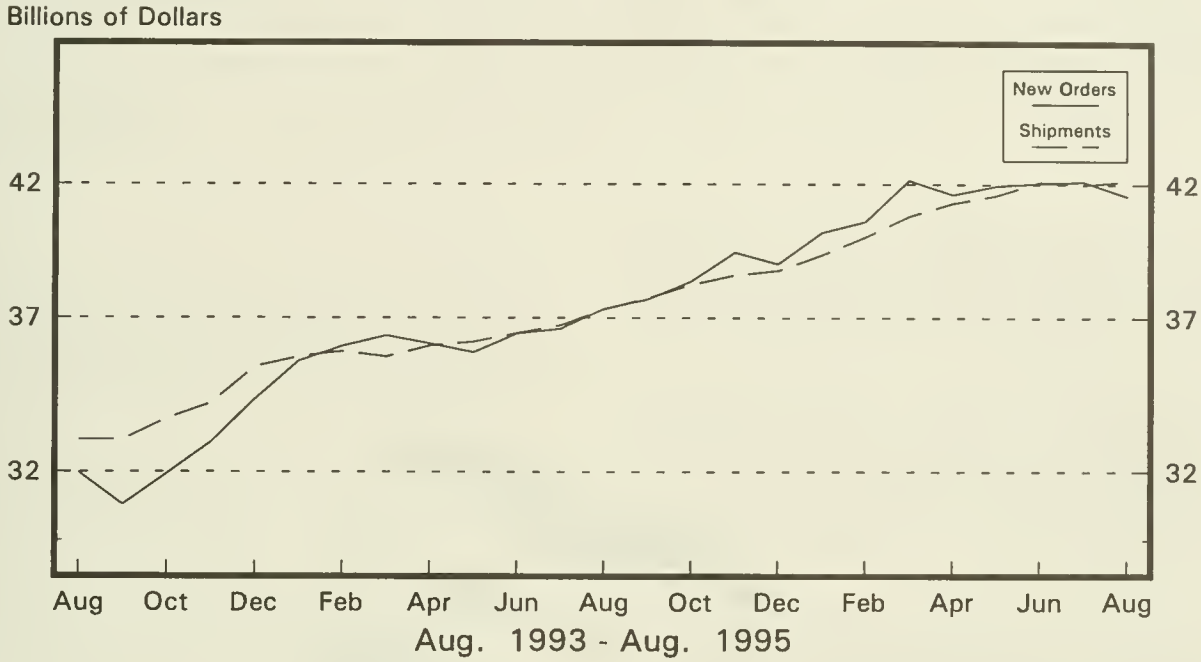
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

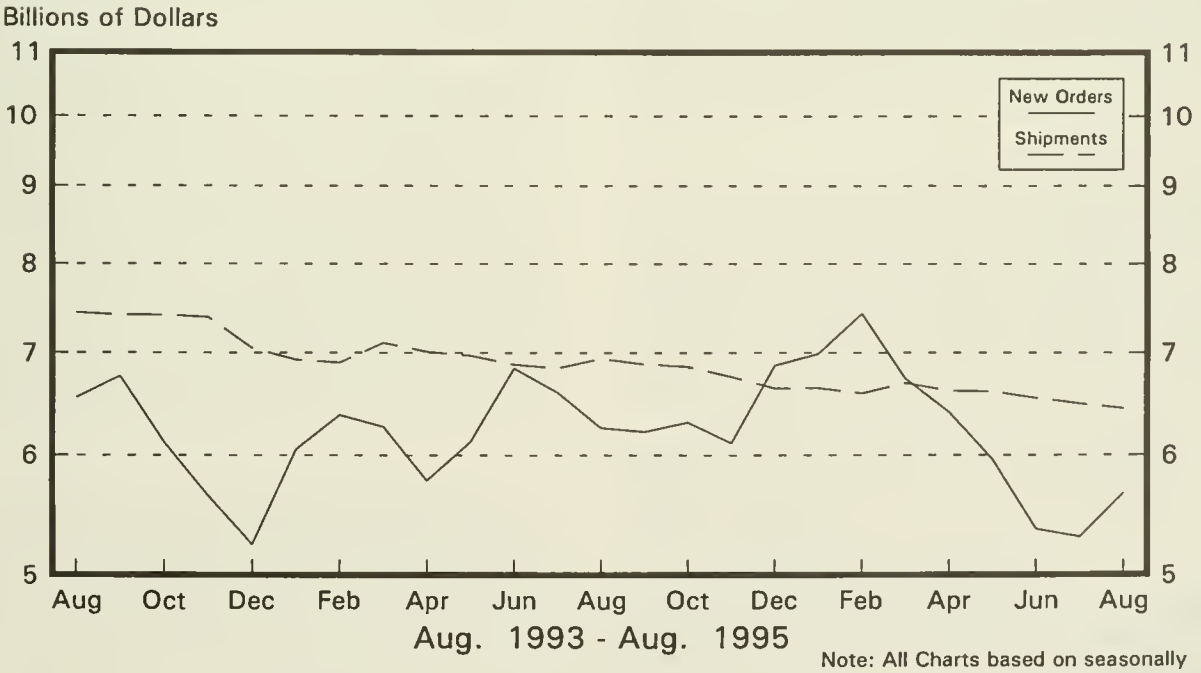
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October decreased $1.0 billion or 0.3 percent to $305.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows increases of 1.4 percent in September and 2.7 percent in August and is the sixth decline this year. Excluding transportation equipment, new orders increased $3.6 billion or 1.4 percent to $266.6 billion, the third consecutive monthly increase. Year to date, new orders are 7.5 percent above the same period a year ago.

Shipments, down for the fourth month this year, decreased $1.1 billion or 0.4 percent to $303.2 billion, following increases of 0.4 percent in September and 3.3 percent in August. Year to date, shipments are 7.6 percent above the same period a year ago.

Unfilled orders, up three of the last four months, increased $2.0 billion or 0.4 percent to $463.1 billion, following a 0.4 percent September increase. The unfilled orders-to-shipments ratio was 2.77, up from 2.74 in September.

Inventories increased $1.6 billion or 0.4 percent to $417.8 billion, the thirteenth consecutive monthly increase and the twentieth in the last twenty-two months. The inventories-to-shipments ratio was 1.38, up from 1.37 in September.

New Orders

New orders for manufactured durable goods in October decreased $1.9 billion or 1.1 percent to $167.1 billion, revised from the previously published 1.0 percent decrease. This follows increases of 3.0 percent and 5.1 percent in September and August respectively and is the sixth decrease this year.

Transportation equipment had the largest decrease, $4.5 billion or 10.5 percent to $38.6 billion; led by aircraft and parts, all component categories decreased. This follows increases of 10.6 percent in September and 17.2 percent in August. Industrial machinery and equipment decreased $0.3 billion or 0.9 percent to $31.8 billion, following increases of 2.2 percent in September and 5.4 percent in August. Electronic and other electrical equipment, up three of the last four months, increased $1.7 billion or 6.1 percent to $29.7 billion, due to electronic components. Instruments and related products, up two of the last three months, increased $0.9 billion or 8.6 percent to $11.8 billion, following a 6.4 percent September decline. Primary metals increased $0.2 billion or 1.5 percent to $15.2 billion. New orders for nondurable goods, up six of the last seven months, increased $0.9 billion or 0.7 percent to $138.1 billion, following a 0.5 percent September decline. Increases, led by paper and allied products, chemicals and allied products, tobacco products, and food and kindred products, more than offset decreases, led by petroleum and coal products and textile mill products.

Shipments

Shipments of durable goods in October decreased $1.3 billion or 0.8 percent to $164.6 billion, revised from the previously published 0.7 percent decrease. This follows increases of 1.1 percent in September and 5.3 percent in August. Transportation equipment, down for the sixth month this year, had the largest decrease, $1.1 billion or 2.7 percent to $38.6 billion. This follows increases of 2.6 percent and 11.4 percent in September and August respectively. Industrial machinery and equipment decreased $0.2 billion or 0.6 percent to $31.9 billion, following increases of 2.2 percent in September and 4.0 percent in August. Electronic and other electrical equipment decreased $0.1 billion or 0.4 percent to $27.5 billion, following increases of 1.7 percent in September and 5.4 percent in August. Fabricated metal products, up three of the last four months, increased $0.1 billion or 0.7 percent to $16.0 billion.

Shipments of nondurable goods, up two of the last three months, increased $0.2 billion or 0.1 percent to $138.5 billion, following a 0.3 percent September decrease. Chemicals and allied products, up for the first month since July, had the largest increase, $0.5 billion or 1.6 percent to $31.0 billion. Tobacco products increased $0.4 billion or 15.7 percent to $3.0 billion, the first increase since July. Petroleum and coal products, down four of the last five months, had the largest decline, $0.4 billion or 3.4 percent to $12.2 billion.

Unfilled Orders

Unfilled orders for durable goods in October increased $2.4 billion or 0.6 percent to $439.6 billion, unrevised from the previously published 0.6 percent increase. This follows a 0.7 percent September increase and is the third increase in the last four months. Electronic and other electrical equipment had the largest increase, $2.2 billion or 4.0 percent to $56.9 billion, following a 0.7 percent September increase. This is the eighth increase this year and the twelfth in the last fourteen months. Instruments and related products, up for the first month since February, increased $0.2 billion or 0.5 percent to $45.6 billion. Primary metals, up for the third consecutive month, increased $0.2 billion or 0.8 percent to $28.0 billion, following a 0.1 percent September increase. Fabricated metal products, down four of the last five months, decreased $0.1 billion or 0.6 percent to $21.1 billion. Industrial machinery and equipment, down for the fourth consecutive month, decreased $0.1 billion or 0.1 percent to $72.7 billion. Transportation equipment decreased slightly to $199.4 billion. This follows two consecutive monthly increases and declines in nearly every month since September 1991.

Inventories

Inventories of durable goods in October, up for the thirteenth consecutive month, increased $1.8 billion or 0.7 percent to $263.5 billion, following a 0.6 percent September increase. Electronic and other electrical equipment had the largest increase, $0.9 billion or 2.0 percent to $47.2 billion. This follows a 1.9 percent September increase and is the twenty-second consecutive monthly increase. Transportation equipment increased $0.3 billion or 0.5 percent to $59.5 billion, following a 0.5 percent September increase. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.2 billion or 0.4 percent to $53.3 billion. Instruments and related products, up for the fifth consecutive month, increased $0.2 billion or 0.9 percent to $22.6 billion.

Inventories of nondurable goods, down for the first month since September 1994, decreased $0.2 billion or 0.1 percent to $154.3 billion. Declines, led by chemicals and allied products and petroleum and coal products, more than offset increases, led by paper and allied products and printing and publishing.

By stage of fabrication, finished goods increased 0.6 percent in durables and 0.3 percent in nondurables. Work in process increased 0.1 percent in durables and declined 0.4 percent in nondurables. Materials and supplies increased 1.5 percent in durables and declined 0.4 percent in nondurables.

(SEE BACK COVER FOR 1996 RELEASE DATES)

The advance report on durable goods for November is scheduled for December 27, 1995 at 8:30 a.m. and the full report on January 4, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305)can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Oct. 1994	Oct. 95/94	1995[p]	1994
All manufacturing industries	303,155	304,280	303,021	-0.4	+0.4	+3.3	311,752	323,740	303,622	294,142	+6.0	2,992,606	2,787,374
Manufacturing Industries													
with unfilled orders	167,106	168,183	167,499	-0.6	+0.4	+3.2	170,673	181,280	166,141	158,178	+7.9	1,638,400	1,495,184
without defense capital goods	296,808	297,900	296,518	-0.4	+0.5	+3.3	305,553	316,743	297,293	287,484	+6.3	2,929,112	2,720,231
Durable goods industries	164,629	165,939	164,196	-0.8	+1.1	+5.3	168,556	177,247	161,256	157,557	+7.0	1,612,146	1,495,880
With unfilled orders	131,675	132,355	131,576	-0.5	+0.6	+3.7	133,513	143,277	129,184	123,817	+7.8	1,286,932	1,179,690
Stone, clay, and glass products	7,239	7,194	7,326	+0.6	-1.8	+1.5	7,864	7,921	7,874	7,265	+8.2	72,018	67,154
Primary metals	14,981	14,942	14,936	+0.3	0.0	+1.6	15,268	15,326	14,956	14,066	+8.5	151,387	128,627
Blast furnaces, steel mills	6,414	6,371	6,235	+0.7	+2.2	+3.1	6,529	6,466	6,244	6,121	+6.7	63,770	57,585
Iron and steel foundries	1,279	1,321	1,346	-3.2	-1.9	+2.1	1,400	1,377	1,373	1,347	+3.9	13,387	12,084
Nonferrous and other primary metals	7,288	7,250	7,355	+0.5	-1.4	+0.3	7,339	7,483	7,339	6,598	+11.2	74,230	58,958
Fabricated metal products	16,022	15,908	16,135	+0.7	-1.4	+2.4	16,923	16,719	16,449	16,091	+5.2	159,551	152,107
Industrial machinery and equipment	31,914	32,114	31,431	-0.6	+2.2	+4.0	30,885	35,088	29,198	27,736	+11.4	305,076	269,855
Engines and turbines	1,886	1,928	1,833	-2.2	+5.2	+4.8	1,670	2,220	1,631	1,712	-2.5	17,937	17,598
Farm and garden machinery	1,739	1,832	1,887	-5.1	-2.9	+1.8	1,666	1,597	1,483	1,847	-9.8	18,915	18,340
Construction, mining and material handling equipment	3,274	3,268	3,276	+0.2	-0.2	+1.4	3,290	3,269	3,138	2,887	+14.0	32,164	27,372
Metalworking machinery	3,741	3,462	3,519	+8.1	-1.6	+1.6	4,037	3,764	3,331	3,376	+19.6	33,642	28,595
Computer and office equipment	9,197	9,226	8,746	-0.3	+5.5	+4.5	8,047	11,571	7,716	6,743	+19.3	82,745	70,582
Electronic and other electrical equipment	27,501	27,625	27,174	-0.4	+1.7	+5.4	27,642	30,415	26,775	23,951	+15.4	257,010	222,529
Electrical transmission and distribution equipment and industrial apparatus	2,797	2,982	2,992	-6.2	-0.3	+5.2	2,694	3,304	2,948	2,544	+5.9	28,802	26,129
Household appliances	1,994	1,994	2,002	0.0	-0.4	+6.9	1,982	2,133	2,089	1,856	+6.8	19,303	18,836
Electric lighting and wiring equipment	1,905	1,952	1,939	-2.4	+0.7	+2.5	1,913	2,104	1,910	1,896	+0.9	19,000	17,777
Household audio and video equipment	1,211	1,174	1,118	+3.2	+5.0	-4.0	1,671	1,444	1,204	1,504	+11.1	11,233	10,156
Communications equipment	6,589	6,387	6,195	+3.2	+3.1	+2.0	6,262	7,116	5,715	5,121	+22.3	59,024	48,176
Electronic components	10,834	10,976	10,539	-1.3	+4.1	+4.6	10,617	11,882	10,590	8,431	+25.9	98,422	79,537
Transportation equipment	38,629	39,721	38,725	-2.7	+2.6	+11.4	40,583	41,103	37,085	39,792	+2.0	386,429	384,285
Motor vehicles and parts	28,074	28,596	27,812	-1.8	+2.8	+16.5	30,311	29,119	26,759	29,090	+4.2	275,717	274,138
Aircraft, missiles, space vehicles, and parts	7,979	8,267	8,257	-3.5	+0.1	+0.8	7,604	9,000	7,655	7,840	-3.0	81,846	82,810
Shipbuilding and tanks	767	767	880	0.0	-12.8	+12.1	749	808	862	846	-11.5	8,230	9,744
Instruments and related products	11,515	11,488	11,691	+0.2	-1.7	+5.1	11,358	12,512	11,477	10,879	+4.4	113,681	108,667
Search and navigation equipment	2,499	2,514	2,588	-0.6	-2.9	+7.6	2,344	2,802	2,521	2,326	+0.8	24,882	24,370
Measuring and controlling devices	3,685	3,763	3,760	-2.1	+0.1	+8.2	3,637	4,079	3,724	3,139	+15.9	36,091	31,782
Medical instruments and supplies	3,088	3,083	3,151	+0.2	-2.2	+2.8	2,986	3,288	3,107	2,940	+1.6	30,739	29,644
Photographic goods	1,832	1,733	1,783	+5.7	-2.8	+0.3	1,984	1,913	1,709	2,091	-5.1	17,901	19,132
All other durable goods	16,828	16,947	16,778	-0.7	+1.0	+2.6	18,033	18,163	17,442	17,777	+1.4	166,994	162,650
Nondurable goods industries	138,526	138,341	138,825	+0.1	-0.3	+0.9	143,196	146,493	142,366	136,585	+4.8	1,380,460	1,291,494
With unfilled orders	35,431	35,828	35,923	-1.1	-0.3	+1.6	37,160	38,003	36,957	34,361	+8.1	351,468	315,494
Food and kindred products	37,392	37,144	36,818	+0.7	+0.9	+1.7	38,893	39,659	37,450	37,253	+4.4	363,843	355,301
Meat products	8,664	8,965	8,505	-3.4	+5.4	+1.0	9,071	9,476	8,723	8,486	+6.9	83,952	80,803
Dairy products	4,818	4,730	4,656	+1.9	+1.6	+1.9	4,784	4,892	4,743	4,631	+3.3	46,983	46,321
Beverages	5,663	5,526	5,660	+2.5	-2.4	+5.2	5,561	5,652	6,218	5,132	+8.4	54,809	52,571
All other foods, except fats and oils	16,182	16,131	16,163	+0.3	-0.2	+0.2	17,412	17,847	15,932	17,227	+1.1	159,203	157,531
Tobacco products	2,995	2,588	2,852	+15.7	-9.3	-3.8	2,884	2,808	2,944	2,679	+7.7	28,541	26,890
Textile mill products	6,100	6,239	6,232	-2.2	+0.1	+1.2	6,408	6,899	6,623	6,640	-3.5	63,125	62,027
Broadwoven fabrics and other textiles	3,775	3,869	3,856	-2.4	+0.3	+3.0	3,832	4,259	4,034	4,004	-4.3	39,054	38,379
Paper and allied products	14,030	14,131	14,123	-0.7	+0.1	+1.6	14,164	14,540	14,452	12,369	+14.5	138,637	113,614
Pulp, paper, and paperboard mill products	6,060	6,188	6,253	-2.1	-1.0	+1.0	5,963	6,260	6,323	4,937	+20.8	60,216	44,933
Paperboard containers and boxes	3,805	3,821	3,754	-0.4	+1.8	+3.2	3,915	3,910	3,893	3,352	+16.8	37,225	29,722
Miscellaneous converted paper products	4,165	4,122	4,116	+1.0	+0.1	+1.0	4,286	4,370	4,236	4,080	+5.0	41,196	38,959
Chemicals and allied products	31,019	30,527	30,842	+1.6	-1.0	-0.7	30,206	31,637	30,765	28,594	+5.6	308,151	283,742
Industrial chemicals	16,357	16,420	16,551	-0.4	-0.8	-0.7	16,046	16,646	16,643	15,579	+3.0	168,221	148,682
Drugs, soaps, and toiletries	10,835	10,377	10,613	+4.4	-2.2	+1.1	10,943	11,745	10,782	10,211	+7.2	103,504	101,355
Petroleum and coal products	12,212	12,637	12,786	-3.4	-1.2	+0.5	12,910	13,265	13,537	12,509	+3.2	129,601	119,359
Rubber and plastics products	10,004	10,110	10,104	-1.0	+0.1	+4.1	10,302	10,480	10,262	10,074	+2.3	101,526	95,190
All other nondurable goods	24,774	24,965	25,068	-0.8	-0.4	+0.9	27,429	27,205	26,333	26,467	+3.6	247,036	235,365

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Oct. 1994	Oct. 95/94	1995[p]	1994
All manufacturing industries	305,143	306,123	301,903	-0.3	+1.4	+2.7	313,222	321,093	301,043	295,062	+6.2	2,998,945	2,795,850
Manufacturing industries with unfilled orders	169,094	170,026	166,381	-0.5	+2.2	+2.3	172,143	178,633	163,562	159,098	+8.2	1,644,739	1,503,660
without defense capital goods	299,529	299,132	294,961	+0.1	+1.4	+2.1	307,314	313,527	295,185	288,471	+6.5	2,941,492	2,735,869
Durable goods industries	167,068	168,951	164,082	-1.1	+3.0	+5.1	171,343	176,305	159,741	158,839	+7.9	1,619,956	1,500,822
With unfilled orders	134,114	135,367	131,462	-0.9	+3.0	+3.4	136,300	142,335	127,669	125,099	+9.0	1,294,742	1,184,632
Stone, clay, and glass products	7,270	7,241	7,490	+0.4	-3.3	+1.5	7,608	7,725	8,145	7,103	+7.1	72,405	67,722
Primary metals	15,194	14,971	15,258	+1.5	-1.9	+6.6	15,144	14,448	14,702	14,463	+4.7	149,816	133,386
Blast furnaces, steel mills	6,651	6,298	6,400	+5.6	-1.6	+6.0	6,518	5,922	6,370	5,950	+9.5	64,119	58,562
Iron and steel foundries	1,268	1,317	1,411	-3.7	-6.7	+15.7	1,413	1,340	1,342	1,390	+1.7	13,326	12,516
Nonferrous and other primary metals	7,275	7,356	7,447	-1.1	-1.2	+5.4	7,213	7,186	6,990	7,123	+1.3	72,371	62,308
Fabricated metal products	15,905	15,939	15,932	-0.2	0.0	+1.1	16,523	16,533	16,341	15,739	+5.0	159,954	152,339
Industrial machinery and equipment	31,814	32,109	31,415	-0.9	+2.2	+5.4	31,492	34,629	29,292	30,041	+4.8	310,336	283,035
Engines and turbines	1,780	2,060	1,732	-13.6	+18.9	+5.7	1,732	2,451	1,810	2,140	-19.1	17,833	18,634
Construction, mining and material handling equipment	3,523	3,472	3,258	+1.5	+6.6	-0.4	3,685	3,451	3,012	3,112	+18.4	33,395	28,464
Metalworking machinery	3,490	3,307	3,305	+5.5	+0.1	-5.8	3,786	3,609	3,117	3,295	+14.9	34,571	30,671
Computer and office equipment	9,179	8,906	8,515	+3.1	+4.6	+4.5	8,298	10,980	7,565	7,728	+7.4	83,465	75,110
Electronic and other electrical equipment	29,686	27,988	26,683	+6.1	+4.9	-5.7	30,308	29,228	26,026	24,343	+24.5	266,935	223,433
Electrical transmission and distribution equipment and industrial apparatus	2,747	2,717	2,957	+1.1	-8.1	+2.6	2,656	3,007	2,924	2,715	-2.2	28,731	26,371
Electric lighting and wiring equipment	1,839	1,836	2,065	+0.2	-11.1	+6.6	1,847	1,988	2,036	2,013	-8.2	19,154	18,219
Communications equipment	6,836	7,669	5,808	-10.9	+32.0	-5.0	6,533	8,482	5,222	4,814	+35.7	61,864	47,351
Electronic components	13,066	10,668	10,463	+22.5	+2.0	-16.0	13,262	10,029	10,249	8,731	+51.9	106,340	80,080
Transportation equipment	38,573	43,105	38,988	-10.5	+10.6	+17.2	40,687	44,050	36,588	38,179	+6.6	381,518	371,413
Aircraft, missiles, space vehicles, and parts	8,556	11,426	8,991	-25.1	+27.1	+22.3	8,401	11,849	7,634	6,193	+35.7	80,120	70,251
Shipbuilding and tanks	340	669	470	-49.2	+42.3	+0.4	360	689	426	537	-33.0	6,028	6,810
Instruments and related products	11,763	10,836	11,577	+8.6	-6.4	+6.6	11,789	12,062	11,317	11,402	+3.4	111,239	105,612
Search and navigation equipment	2,197	2,014	2,423	+9.1	-16.9	+22.7	2,240	2,486	2,307	2,572	-12.9	21,831	21,903
Measuring and controlling devices	3,812	3,650	3,848	+4.4	-5.1	+5.0	3,764	3,966	3,812	3,307	+13.8	36,891	32,038
Medical instruments and supplies	3,478	3,046	3,115	+14.2	-2.2	+2.9	3,376	3,251	3,071	2,989	+12.9	30,436	28,744
All other durable goods	16,863	16,762	16,739	+0.6	+0.1	+1.9	17,792	17,630	17,330	17,569	+1.3	167,753	163,882
Nondurable goods industries	138,075	137,172	137,821	+0.7	-0.5	+0.1	141,879	144,788	141,302	136,223	+4.2	1,378,989	1,295,028
With unfilled orders	34,980	34,659	34,919	+0.9	-0.7	-1.8	35,843	36,298	35,893	33,999	+5.4	349,997	319,028

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, hich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct 1995[p]	Sept 1995[r]	Aug 1995	Sept.-Oct	Aug.-Sept	July-Aug.	Oct. 1995[p]	Sept 1995[r]	Aug 1995	Oct. 1994	Oct 95/94
All manufacturing industries	463,081	461,093	459,250	+0.4	+0.4	-0.2	458,107	456,637	459,284	446,834	+2.5
Manufacturing industries without defense capital goods	355,057	352,336	351,104	+0.8	+0.4	-0.4	351,043	349,282	352,498	336,858	+4.2
Durable goods industries	439,560	437,121	434,109	+0.6	+0.7	0.0	435,258	432,471	433,413	422,569	+3.0
Stone, clay, and glass products	8,027	7,996	7,949	+0.4	+0.6	+2.1	7,901	8,157	8,353	7,387	+7.0
Primary metals	27,967	27,754	27,725	+0.8	+0.1	+1.2	26,288	26,412	27,290	26,307	-0.1
Blast furnaces, steel mills	11,765	11,528	11,601	+2.1	-0.6	+1.4	11,000	11,011	11,555	10,689	+2.9
Iron and steel foundries	3,689	3,700	3,704	-0.3	-0.1	+1.8	3,626	3,613	3,650	3,475	+4.3
Nonferrous and other primary metals	12,513	12,526	12,420	-0.1	+0.9	+0.7	11,662	11,788	12,085	12,143	-4.0
Fabricated metal products	21,129	21,246	21,215	-0.6	+0.1	-0.9	20,895	21,295	21,481	20,278	+3.0
Industrial machinery and equipment	72,696	72,796	72,801	-0.1	0.0	0.0	72,456	71,849	72,308	66,158	+9.5
Engines and turbines	10,157	10,263	10,131	-1.0	+1.3	-1.0	10,520	10,458	10,227	11,175	-5.9
Construction, mining and material handling equipment	8,372	8,123	7,919	+3.1	+2.6	-0.2	8,230	7,835	7,653	6,883	+19.6
Metalworking machinery	10,506	10,757	10,912	-2.3	-1.4	-1.9	10,506	10,757	10,912	9,411	+11.6
Computer and office equipment	11,698	11,716	12,036	-0.2	-2.7	-1.9	11,920	11,669	12,260	11,779	+1.2
Electronic and other electrical equipment	56,876	54,691	54,328	+4.0	+0.7	-0.9	56,057	53,391	54,578	45,342	+23.6
Electrical transmission and distribution equipment and industrial apparatus	5,680	5,730	5,995	-0.9	-4.4	-0.6	5,675	5,713	6,010	6,012	-5.6
Electric lighting and wiring equipment	3,797	3,863	3,979	-1.7	-2.9	+3.3	3,797	3,863	3,979	3,679	+3.2
Communications equipment	17,813	17,566	16,284	+1.4	+7.9	-2.3	17,844	17,573	16,207	14,207	+25.6
Electronic components	24,715	22,483	22,791	+9.9	-1.4	-0.3	23,850	21,205	23,058	15,647	+52.4
Transportation equipment	199,430	199,486	196,102	0.0	+1.7	+0.1	198,263	198,159	195,212	200,604	-1.2
Aircraft, missiles, space vehicles, and parts	170,157	169,580	166,421	+0.3	+1.9	+0.4	169,166	168,369	165,520	171,466	-1.3
Shipbuilding and tanks	16,688	17,115	17,213	-2.5	-0.6	-2.3	16,737	17,126	17,245	16,362	+2.3
Instruments and related products	45,565	45,317	45,969	+0.5	-1.4	-0.2	45,576	45,145	45,595	48,339	-5.7
Search and navigation equipment	28,656	28,958	29,458	-1.0	-1.7	-0.6	28,656	28,760	29,076	31,817	-9.9
Measuring and controlling devices	10,049	9,922	10,035	+1.3	-1.1	+0.9	10,049	9,922	10,035	9,088	+10.6
Medical instruments and supplies	5,989	5,599	5,636	+7.0	-0.7	-0.6	5,989	5,599	5,636	6,556	-8.6
All other durable goods	7,870	7,835	8,020	+0.4	-2.3	-0.5	7,822	8,063	8,596	8,154	-4.1
Nondurable goods industries	23,521	23,972	25,141	-1.9	-4.6	-3.8	22,849	24,166	25,871	24,265	-5.8

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Oct. 1994	Oct. 95/94
All manufacturing industries	417,816	416,177	413,146	+0.4	+0.7	+0.2	418,465	415,390	416,690	389,437	+7.5
Manufacturing industries with unfilled orders	281,214	279,381	277,423	+0.7	+0.7	+0.4	281,454	279,017	281,365	258,333	+9.0
without defense capital goods	396,364	394,437	391,503	+0.5	+0.7	+0.2	396,703	393,406	394,591	365,775	+8.5
Durable goods industries	263,508	261,706	260,091	+0.7	+0.6	+0.2	263,774	260,940	262,762	245,468	+7.5
With unfilled orders	241,582	240,091	238,557	+0.6	+0.6	+0.3	242,180	239,745	241,675	224,862	+7.7
Stone, clay, and glass products	8,423	8,507	8,493	-1.0	+0.2	+0.5	8,142	8,304	8,459	7,307	+11.4
Primary metals	21,839	21,896	21,916	-0.3	-0.1	-0.3	21,785	21,859	22,063	20,264	+7.5
Blast furnaces, steel mills	10,436	10,505	10,504	-0.7	0.0	+0.3	10,467	10,492	10,545	9,768	+7.2
Iron and steel foundries	1,657	1,625	1,624	+2.0	+0.1	-3.2	1,621	1,591	1,610	1,525	+6.3
Nonferrous and other primary metals	9,746	9,766	9,788	-0.2	-0.2	-0.5	9,697	9,776	9,908	8,971	+8.1
Fabricated metal products	25,117	25,199	25,429	-0.3	-0.9	-0.7	24,658	24,910	25,485	23,408	+5.3
Industrial machinery and equipment	53,278	53,072	52,841	+0.4	+0.4	+0.4	53,724	52,889	53,599	49,801	+7.9
Engines and turbines	3,743	3,773	3,819	-0.8	-1.2	-0.9	3,896	3,867	4,032	3,871	+0.6
Farm and garden machinery	2,582	2,631	2,677	-1.9	-1.7	-1.5	2,481	2,516	2,505	2,600	-4.6
Construction, mining and material handling equipment	6,543	6,514	6,466	+0.4	+0.7	+0.2	6,471	6,450	6,413	5,958	+8.6
Metalworking machinery	6,334	6,344	6,284	-0.2	+1.0	+0.7	6,385	6,446	6,491	5,657	+12.9
Computer and office equipment	12,060	11,728	11,601	+2.8	+1.1	+1.5	12,518	11,667	12,231	11,799	+6.1
Electronic and other electrical equipment	47,189	46,262	45,379	+2.0	+1.9	+1.3	47,170	45,986	46,072	39,079	+20.7
Electrical transmission and distribution equipment and industrial apparatus	4,923	4,854	4,841	+1.4	+0.3	-0.3	4,925	4,834	4,933	4,620	+6.6
Household appliances	2,739	2,748	2,822	-0.3	-2.6	-1.5	2,599	2,557	2,721	2,652	-2.0
Electric lighting and wiring equipment	3,329	3,282	3,297	+1.4	-0.5	+0.5	3,332	3,257	3,353	3,045	+9.4
Household audio and video equipment	1,688	1,648	1,619	+2.4	+1.8	+3.3	1,686	1,744	1,769	1,211	+39.2
Communications equipment	15,935	15,453	14,776	+3.1	+4.6	+2.5	15,820	15,202	14,899	11,743	+34.7
Electronic components	14,813	14,513	14,284	+2.1	+1.6	+2.1	15,035	14,568	14,534	12,325	+22.0
Transportation equipment	59,483	59,184	58,877	+0.5	+0.5	-0.3	60,090	59,420	59,621	59,683	+0.7
Motor vehicles and parts	12,002	11,961	12,147	+0.3	-1.5	-2.8	12,137	12,097	12,348	12,012	+1.0
Aircraft, missiles, space vehicles, and parts	42,487	42,382	42,002	+0.2	+0.9	+0.3	43,057	42,610	42,567	43,541	-1.1
Shipbuilding and tanks	1,673	1,707	1,555	-2.0	+9.8	-4.7	1,623	1,645	1,565	1,439	+12.8
Instruments and related products	22,606	22,414	22,317	+0.9	+0.4	+0.3	22,812	22,566	22,682	22,000	+3.7
Search and navigation equipment	5,398	5,398	5,368	0.0	+0.6	-0.2	5,456	5,484	5,497	5,544	-1.6
Measuring and controlling devices	7,348	7,294	7,289	+0.7	+0.1	+0.9	7,363	7,289	7,371	6,622	+11.2
Medical instruments and supplies	6,394	6,245	6,216	+2.4	+0.5	+0.2	6,477	6,248	6,307	6,277	+3.2
Photographic goods	2,596	2,609	2,575	-0.5	+1.3	+0.4	2,651	2,693	2,642	2,694	-1.6
All other durable goods	25,573	25,172	24,839	+1.6	+1.3	+0.3	25,393	25,006	24,781	23,926	+6.1
Nondurable goods industries	154,308	154,471	153,055	-0.1	+0.9	+0.1	154,691	154,450	153,928	143,969	+7.4
With unfilled orders	39,632	39,290	38,866	+0.9	+1.1	+0.8	39,274	39,272	39,690	33,471	+17.3
Food and kindred products	31,541	31,439	30,747	+0.3	+2.3	-0.4	33,306	32,026	30,775	32,900	+1.2
Meat products	3,844	3,824	3,605	+0.5	+6.1	+1.4	3,867	3,821	3,602	3,404	+13.6
Dairy products	2,668	2,586	2,591	+3.2	-0.2	-2.5	2,660	2,566	2,655	2,737	-2.8
Beverages	5,420	5,409	5,197	+0.2	+4.1	-1.9	5,512	5,439	5,096	5,383	+2.4
All other foods, except fats and oils	17,736	17,739	17,643	0.0	+0.5	-0.6	19,315	18,607	17,923	19,670	-1.8
Tobacco products	5,581	5,672	5,502	-1.6	+3.1	+2.7	5,648	5,611	5,281	5,669	-0.4
Textile mill products	10,439	10,374	10,315	+0.6	+0.6	+0.5	10,179	10,153	10,386	9,480	+7.4
Broadwoven fabrics and other textiles	5,847	5,845	5,842	0.0	+0.1	+0.7	5,730	5,688	5,849	5,357	+7.0
Paper and allied products	16,619	16,408	16,066	+1.3	+2.1	+1.4	16,300	16,199	16,081	13,247	+23.0
Pulp, paper, and paperboard mill products	6,770	6,628	6,383	+2.1	+3.8	+3.8	6,662	6,543	6,394	5,334	+24.9
Paperboard containers and boxes	4,562	4,580	4,548	-0.4	+0.7	+0.2	4,430	4,560	4,557	3,306	+34.0
Miscellaneous converted paper products	5,287	5,200	5,135	+1.7	+1.3	-0.5	5,208	5,096	5,130	4,607	+13.0
Chemicals and allied products	35,974	36,334	36,143	-1.0	+0.5	+0.1	35,581	35,929	36,012	33,612	+5.9
Industrial chemicals	18,110	18,347	18,123	-1.3	+1.2	+0.5	17,856	18,179	18,027	16,000	+11.6
Drugs, soaps, and toiletries	13,197	13,294	13,218	-0.7	+0.6	+0.2	13,197	13,299	13,490	13,287	-0.7
Petroleum and coal products	10,556	10,767	10,757	-2.0	+0.1	-1.1	10,793	10,974	10,927	10,672	+1.1
Rubber and plastics products	14,178	14,192	14,251	-0.1	-0.4	-0.5	13,842	13,901	14,056	12,614	+9.7
All other nondurable goods	29,420	29,285	29,274	+0.5	0.0	+0.2	29,042	29,657	30,410	25,775	+12.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1995p	Sept. 1995r	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995p	Sept. 1995r	Aug. 1995	Oct. 1994	Oct. 95/94	1995p	1994
SHIPMENTS													
All manufacturing industries	303,155	304,280	303,021	-0.4	+0.4	+3.3	311,752	323,740	303,622	294,142	+6.0	2,992,606	2,787,374
Market categories :													
Automotive equipment	14,606	14,880	14,460	-1.8	+2.9	+16.7	15,844	15,227	13,993	15,026	+5.4	143,336	139,048
Home goods and apparel	19,721	19,704	19,715	+0.1	-0.1	+1.1	22,364	22,249	21,087	22,118	+1.1	197,545	191,213
Consumer staples	61,651	61,134	61,450	+0.8	-0.5	+1.0	63,626	65,791	62,873	60,709	+4.8	606,472	584,667
Machinery and equipment	55,367	55,885	54,743	-0.9	+2.1	+5.7	54,906	60,237	51,620	49,965	+9.9	534,594	486,150
Business supplies	22,621	22,747	22,791	-0.6	-0.2	+0.7	23,643	23,607	22,885	22,202	+6.5	224,434	208,877
Construction materials and supplies	18,872	18,852	18,881	+0.1	-0.2	+1.8	19,967	20,226	19,868	19,342	+3.2	188,206	180,536
Defense products	6,774	6,846	6,979	-1.1	-1.9	+2.6	6,607	7,523	6,853	7,173	-7.9	68,640	71,743
Other materials, supplies and and intermediate products	103,543	104,232	104,002	-0.7	+0.2	+3.0	104,795	108,880	104,443	97,607	+7.4	1,029,379	925,140
Durable goods industries :													
Nondefense capital goods [3]	42,953	43,587	42,517	-1.5	+2.5	+3.6	41,065	48,341	39,669	36,601	+12.2	412,694	363,475
Excluding aircraft and parts	38,307	38,686	37,638	-1.0	+2.8	+3.8	36,815	43,014	35,295	32,416	+13.6	364,173	316,714
Defense capital goods [4]	6,347	6,380	6,503	-0.5	-1.9	+2.1	6,199	6,997	6,329	6,658	-6.9	63,494	67,143
Durables excluding capital goods	115,329	115,972	115,176	-0.6	+0.7	+6.1	121,292	121,909	115,258	114,298	+6.1	1,135,958	1,065,262
Miscellaneous series :													
Producers' durable equipment	105,016	106,060	104,960	-1.0	+1.0	+7.1	107,384	113,371	100,950	100,222	+7.1	1,026,419	960,674
Household durable goods	8,693	8,634	8,677	+0.7	-0.5	+2.9	9,731	9,874	8,966	9,245	+5.3	84,636	80,505
Information technology industries	21,537	21,378	20,770	+0.7	+2.9	+4.2	20,167	24,985	19,165	17,262	+16.8	198,343	171,747
Health care equipment and products	8,967	8,718	8,911	+2.9	-2.2	+1.8	8,927	9,654	8,959	8,490	+5.1	86,956	84,683
NEW ORDERS													
All manufacturing industries	305,143	306,123	301,903	-0.3	+1.4	+2.7	313,222	321,093	301,043	295,062	+6.2	2,998,945	2,795,850
Market categories :													
Automotive equipment	14,545	14,856	14,452	-2.1	+2.8	+16.8	15,771	15,174	14,000	15,041	+4.9	143,145	139,235
Home goods and apparel	19,638	19,376	19,401	+1.4	-0.1	+1.1	21,606	21,360	20,802	21,352	+1.2	198,326	192,623
Consumer staples	61,677	60,947	61,470	+1.2	-0.9	+0.8	63,605	65,589	62,924	60,694	+4.8	606,646	584,757
Machinery and equipment	57,185	59,517	54,115	-3.9	+10.0	+6.3	57,187	63,159	50,829	50,355	+13.6	541,683	486,485
Business supplies	22,593	22,472	22,867	+0.5	-1.7	+0.5	23,452	23,284	23,032	22,277	+5.3	224,613	209,236
Construction materials and supplies	18,846	18,743	19,053	+0.5	-1.6	+1.9	19,698	19,843	20,047	19,409	+1.5	188,356	181,945
Defense products	6,012	7,570	7,443	-20.6	+1.7	+29.7	6,228	8,236	6,406	6,963	-10.6	63,194	64,661
Other materials, supplies and and intermediate products	104,647	102,642	103,102	+2.0	-0.4	-0.1	105,675	104,448	103,003	98,971	+6.8	1,032,982	936,908
Durable goods industries :													
Nondefense capital goods [3]	43,488	46,941	41,676	-7.4	+12.6	+3.6	42,264	51,069	38,980	37,233	+13.5	419,092	365,592
Excluding aircraft and parts	38,359	39,790	36,924	-3.6	+7.8	+3.0	37,531	43,492	34,733	34,911	+7.5	371,486	330,564
Defense capital goods [4]	5,614	6,991	6,942	-19.7	+0.7	+39.4	5,908	7,566	5,858	6,591	-10.4	57,453	59,981
Durables excluding capital goods	117,966	115,019	115,464	+2.6	-0.4	+4.1	123,171	117,670	114,903	115,015	+7.1	1,143,411	1,075,249
Miscellaneous series :													
Producers' durable equipment	107,268	109,757	104,113	-2.3	+5.4	+7.3	109,703	115,739	100,404	101,479	+8.1	1,035,643	968,102
Household durable goods	8,657	8,625	8,559	+0.4	+0.8	+0.1	9,380	9,572	8,921	8,952	+4.8	85,349	81,704
Information technology industries	21,944	21,897	20,109	+0.2	+8.9	+0.7	20,843	25,230	18,576	18,221	+14.4	201,888	176,382
Health care equipment and products	9,357	8,680	8,874	+7.8	-2.2	+1.8	9,317	9,615	8,922	8,539	+9.1	86,653	83,785

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and sc industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Oct. 1994	Oct. 95/94
UNFILLED ORDERS											
All manufacturing industries	463,081	461,093	459,250	+0.4	+0.4	-0.2	458,107	456,637	459,284	446,834	+2.5
Market categories :											
Automotive equipment	1,992	2,053	2,077	-3.0	-1.2	-0.3	1,955	2,027	2,081	2,089	-6.4
Home goods and apparel	9,439	9,523	9,850	-0.9	-3.3	-3.1	9,108	9,867	10,756	10,072	-9.6
Consumer staples	1,796	1,771	1,958	+1.4	-9.6	+1.0	1,805	1,826	2,027	1,568	+15.1
Machinery and equipment	188,513	186,694	183,063	+1.0	+2.0	-0.3	187,921	185,640	182,717	180,558	+4.1
Business supplies	6,101	6,129	6,405	-0.5	-4.3	+1.2	5,987	6,179	6,502	5,726	+4.6
Construction materials and supplies	15,855	15,880	15,989	-0.2	-0.7	+1.1	15,588	15,857	16,241	15,285	+2.0
Defense products	102,810	103,572	102,848	-0.7	+0.7	+0.5	101,792	102,171	101,458	103,829	-2.0
Other materials, supplies and and intermediate products	136,575	135,471	137,060	+0.8	-1.2	-0.7	133,951	133,070	137,502	127,707	+4.9
urable goods industries :											
Nondefense capital goods [3]	206,623	206,088	202,734	+0.3	+1.7	-0.4	206,314	205,115	202,387	199,454	+3.4
Excluding aircraft and parts	98,629	98,577	97,473	+0.1	+1.1	-0.7	98,320	97,604	97,126	89,508	+9.8
Defense capital goods [4]	108,024	108,757	108,146	-0.7	+0.6	+0.4	107,064	107,355	106,786	109,976	-2.6
Durables excluding capital goods	124,913	122,276	123,229	+2.2	-0.8	+0.2	121,880	120,001	124,240	113,139	+7.7
iscellaneous series :											
Producers' durable equipment	223,628	221,376	217,679	+1.0	+1.7	-0.4	222,938	220,619	218,251	213,571	+4.4
Household durable goods	5,986	6,022	6,031	-0.6	-0.1	-1.9	5,910	6,261	6,563	6,034	-2.1
Information technology industries	40,243	39,836	39,317	+1.0	+1.3	-1.7	40,474	39,798	39,553	36,721	+10.2
Health care equipment and products	6,018	5,628	5,667	+6.9	-0.7	-0.6	6,019	5,628	5,667	6,589	-8.7
TOTAL INVENTORIES											
ll manufacturing industries	417,816	416,177	413,146	+0.4	+0.7	+0.2	418,465	415,390	416,690	389,437	+7.5
rket categories :											
Automotive equipment	6,621	6,546	6,630	+1.1	-1.3	-1.7	6,600	6,516	6,667	6,197	+6.5
Home goods and apparel	34,108	33,952	33,832	+0.5	+0.4	-0.1	33,231	33,793	34,519	31,042	+7.1
Consumer staples	59,487	59,561	58,673	-0.1	+1.5	-0.1	61,267	60,333	59,067	59,955	+2.2
Machinery and equipment	103,828	102,388	101,267	+1.4	+1.1	+0.8	104,381	102,055	102,460	94,432	+10.5
Business supplies	23,952	23,914	23,928	+0.2	-0.1	-0.2	23,996	24,066	24,373	21,559	+11.3
Construction materials and supplies	26,639	26,517	26,451	+0.5	+0.2	0.0	26,234	26,194	26,417	24,658	+6.4
Defense products	20,974	21,216	21,098	-1.1	+0.6	-0.5	21,232	21,424	21,509	22,756	-6.7
Other materials, supplies and and intermediate products	142,207	142,083	141,267	+0.1	+0.6	+0.2	141,524	141,009	141,678	128,838	+9.8
rable goods industries :											
Nondefense capital goods [3]	98,737	97,399	96,003	+1.4	+1.5	+0.9	99,430	97,037	97,389	89,240	+11.4
Excluding aircraft and parts	71,171	70,264	69,239	+1.3	+1.5	+1.0	71,567	69,870	70,389	62,911	+13.8
Defense capital goods [4]	21,452	21,740	21,643	-1.3	+0.4	-0.6	21,762	21,984	22,099	23,662	-8.0
Durables excluding capital goods	143,319	142,567	142,445	+0.5	+0.1	-0.1	142,582	141,919	143,274	132,566	+7.6
scellaneous series :											
Producers' durable equipment	164,613	163,086	162,171	+0.9	+0.6	+0.2	164,964	162,577	163,973	151,574	+8.8
Household durable goods	14,904	14,823	14,703	+0.5	+0.8	-0.6	14,705	14,724	14,974	13,834	+6.3
Information technology industries	38,525	37,733	36,857	+2.1	+2.4	+1.7	38,968	37,511	37,769	33,542	+16.2
Health care equipment and products	13,586	13,490	13,420	+0.7	+0.5	+0.2	13,666	13,494	13,654	13,501	+1.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 95/94
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	Oct. 1994	
MATERIALS AND SUPPLIES											
All manufacturing industries	138,583	137,612	136,910	+0.7	+0.5	+0.7	138,950	137,332	137,738	126,489	+9.9
Durable goods industries	81,459	80,231	79,903	+1.5	+0.4	+0.9	82,061	80,405	80,875	73,898	+11.0
Stone, clay, and glass products	2,870	2,885	2,889	-0.5	-0.1	+1.7	2,857	2,883	2,914	2,599	+9.9
Primary metals	6,786	6,785	6,833	0.0	-0.7	+0.9	6,879	6,819	6,914	6,419	+7.2
Fabricated metal products	8,579	8,594	8,854	-0.2	-2.9	-1.7	8,451	8,591	8,882	8,214	+2.9
Industrial machinery and equipment	18,774	18,271	17,995	+2.8	+1.5	+1.7	18,975	18,179	18,327	16,422	+15.5
Electronic and other electrical equipment	16,946	16,522	16,155	+2.6	+2.3	+3.7	16,972	16,535	16,376	12,738	+33.2
Transportation equipment	9,904	9,849	9,991	+0.6	-1.4	-2.2	9,951	9,856	10,124	10,881	-8.5
Instruments and related products	7,219	7,139	7,059	+1.1	+1.1	+0.4	7,222	7,166	7,135	6,728	+7.3
Lumber, furniture and miscellaneous durable goods	10,381	10,186	10,127	+1.9	+0.6	+0.9	10,754	10,376	10,203	9,897	+8.7
Nondurable goods industries	57,124	57,381	57,007	-0.4	+0.7	+0.3	56,889	56,927	56,863	52,591	+8.2
Food and kindred products	10,436	10,491	10,269	-0.5	+2.2	+0.1	10,702	10,183	9,946	10,560	+1.3
Tobacco products	4,702	4,759	4,657	-1.2	+2.2	+0.2	4,588	4,632	4,516	4,620	-0.7
Textile mill products	3,015	3,020	2,994	-0.2	+0.9	+0.4	2,912	2,953	3,004	2,740	+6.3
Paper and allied products	8,263	8,242	8,202	+0.3	+0.5	+1.0	8,213	8,245	8,191	6,820	+20.4
Chemicals and allied products	11,665	11,671	11,707	-0.1	-0.3	-0.4	11,613	11,593	11,715	11,276	+3.0
Petroleum and coal products	3,259	3,324	3,277	-2.0	+1.4	0.0	3,304	3,363	3,352	3,048	+8.4
Rubber and plastics products	5,129	5,254	5,356	-2.4	-1.9	-0.9	5,026	5,227	5,286	4,726	+6.3
Apparel, printing and publishing and leather goods	10,655	10,620	10,545	+0.3	+0.7	+1.3	10,531	10,731	10,853	8,801	+19.7
WORK IN PROCESS											
All manufacturing industries	134,326	134,294	133,499	0.0	+0.6	-0.1	136,194	135,469	135,235	130,990	+4.0
Durable goods industries	109,490	109,370	108,762	+0.1	+0.6	-0.1	110,631	110,187	110,465	106,393	+4.0
Stone, clay, and glass products	1,328	1,352	1,338	-1.8	+1.0	-1.6	1,248	1,321	1,339	1,001	+24.7
Primary metals	8,262	8,256	8,209	+0.1	+0.6	-0.1	8,260	8,329	8,324	7,446	+10.9
Fabricated metal products	8,061	8,030	8,024	+0.4	+0.1	-0.2	8,069	8,012	8,120	7,586	+6.4
Industrial machinery and equipment	19,160	19,343	19,605	-0.9	-1.3	-0.4	19,748	19,824	20,085	19,310	+2.3
Electronic and other electrical equipment	17,009	16,848	16,513	+1.0	+2.0	-1.2	17,103	16,794	16,722	15,960	+7.2
Transportation equipment	41,250	41,242	40,761	0.0	+1.2	+0.6	41,737	41,522	41,304	40,730	+2.5
Instruments and related products	9,329	9,303	9,299	+0.3	0.0	-0.1	9,426	9,394	9,512	9,266	+1.7
Lumber, furniture and miscellaneous durable goods	5,091	4,996	5,013	+1.9	-0.3	-0.8	5,040	4,991	5,059	5,094	-1.1
Nondurable goods industries	24,836	24,924	24,737	-0.4	+0.8	-0.2	25,563	25,282	24,770	24,597	+3.9
Food and kindred products	4,280	4,254	4,107	+0.6	+3.6	+0.1	4,864	4,354	3,777	4,691	+3.7
Tobacco products	172	237	304	-27.4	-22.0	+35.7	244	294	240	266	-8.3
Textile mill products	2,780	2,775	2,750	+0.2	+0.9	+1.4	2,771	2,791	2,773	2,548	+8.8
Paper and allied products	1,547	1,514	1,474	+2.2	+2.7	+1.4	1,482	1,491	1,502	1,168	+26.9
Chemicals and allied products	5,584	5,623	5,580	-0.7	+0.8	-0.4	5,626	5,653	5,634	5,426	+3.7
Petroleum and coal products	2,082	2,164	2,165	-3.8	0.0	0.0	2,136	2,228	2,230	2,359	-9.5
Rubber and plastics products	2,063	2,036	2,037	+1.3	0.0	-1.8	2,096	2,009	2,023	1,917	+9.3
Apparel, printing and publishing and leather goods	6,328	6,321	6,320	+0.1	0.0	-2.1	6,344	6,462	6,591	6,222	+2.0
FINISHED GOODS											
All manufacturing industries	144,907	144,271	142,737	+0.4	+1.1	0.0	143,321	142,589	143,717	131,958	+8.6
Durable goods industries	72,559	72,105	71,426	+0.6	+1.0	-0.1	71,082	70,348	71,422	65,177	+9.1
Stone, clay, and glass products	4,225	4,270	4,266	-1.1	+0.1	+0.4	4,037	4,100	4,206	3,707	+8.9
Primary metals	6,791	6,855	6,874	-0.9	-0.3	-1.7	6,646	6,711	6,825	6,399	+3.9
Fabricated metal products	8,477	8,575	8,551	-1.1	+0.3	-0.2	8,138	8,307	8,483	7,608	+7.0
Industrial machinery and equipment	15,344	15,458	15,241	-0.7	+1.4	0.0	15,001	14,886	15,187	14,069	+6.6
Electronic and other electrical equipment	13,234	12,892	12,711	+2.7	+1.4	+1.7	13,095	12,657	12,974	10,381	+26.1
Transportation equipment	8,329	8,093	8,125	+2.9	-0.4	-2.3	8,402	8,042	8,193	8,072	+4.1
Instruments and related products	6,058	5,972	5,959	+1.4	+0.2	+0.9	6,164	6,006	6,035	6,006	+2.6
Lumber, furniture and miscellaneous durable goods	10,101	9,990	9,699	+1.1	+3.0	+0.1	9,599	9,639	9,519	8,935	+7.4
Nondurable goods industries	72,348	72,166	71,311	+0.3	+1.2	+0.1	72,239	72,241	72,295	66,781	+8.2
Food and kindred products	16,825	16,694	16,371	+0.8	+2.0	-0.9	17,740	17,489	17,052	17,649	+0.5
Tobacco products	707	676	541	+4.6	+25.0	+11.8	816	685	525	783	+4.2
Textile mill products	4,644	4,579	4,571	+1.4	+0.2	+0.1	4,496	4,409	4,609	4,192	+7.3
Paper and allied products	6,809	6,652	6,390	+2.4	+4.1	+1.8	6,605	6,463	6,388	5,259	+25.6
Chemicals and allied products	18,725	19,040	18,856	-1.7	+1.0	+0.5	18,342	18,683	18,663	16,910	+8.5
Petroleum and coal products	5,215	5,279	5,315	-1.2	-0.7	-2.2	5,353	5,383	5,345	5,265	+1.7
Rubber and plastics products	6,986	6,902	6,858	+1.2	+0.6	+0.2	6,720	6,665	6,747	5,971	+12.5
Apparel, printing and publishing and leather goods	12,437	12,344	12,409	+0.8	-0.5	+0.4	12,167	12,464	12,966	10,752	+13.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	July 1995	Oct. 1995[p]	Sept. 1995[r]	Aug. 1995	July 1995
All manufacturing industries	1.38	1.37	1.36	1.41	2.77	2.74	2.74	2.84
Durable goods industries	1.60	1.58	1.58	1.66	3.34	3.30	3.30	3.42
Stone, clay, and glass products	1.16	1.18	1.16	1.17	1.17	1.18	1.15	1.14
Primary metals	1.46	1.47	1.47	1.50	1.87	1.86	1.86	1.86
Fabricated metal products	1.57	1.58	1.58	1.62	1.44	1.45	1.43	1.48
Industrial machinery and equipment	1.67	1.65	1.68	1.74	2.41	2.40	2.46	2.57
Electronic and other electrical equipment	1.72	1.67	1.67	1.74	2.07	1.98	2.00	2.13
Transportation equipment	1.54	1.49	1.52	1.70	11.44	11.00	10.92	11.30
Instruments and related products	1.96	1.95	1.91	2.00	3.96	3.94	3.93	4.14
Nondurable goods industries	1.11	1.12	1.10	1.11	0.66	0.67	0.70	0.74
Food and kindred products	0.84	0.85	0.84	0.85	(X)	(X)	(X)	(X)
Tobacco products	1.86	2.19	1.93	1.81	(X)	(X)	(X)	(X)
Textile mill products	1.71	1.66	1.66	1.67	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.16	1.14	1.14	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.16	1.19	1.17	1.16	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.85	0.84	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.42	1.40	1.41	1.48	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1995	Oct.[2] 1990-1994	Oct. 1994-Sept. 1995	Oct.[1] 1995	Oct.[2] 1990-1994	Oct. 1994-Sept. 1995	Oct.[1] 1995	Oct.[2] 1990-1994	Oct. 1994-Sept. 1995	Oct.[1] 1995	Oct.[2] 1990-1994	Oct. 1994-Sept. 1995
All manufacturing industries	(X)	0.1	0.1	(X)	0.0	0.2	(X)	0.0	0.1	(X)	0.0	0.1
urable goods industries	-0.1	0.2	0.2	-0.1	0.1	0.2	0.0	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.6	0.6	(X)	1.4	1.1	(X)	0.9	0.5	(X)	0.3	0.1
Primary metals	-0.1	0.3	0.5	-0.7	0.5	1.0	-0.3	0.1	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.3	(X)	0.4	0.6	(X)	0.2	0.3	(X)	0.1	0.2
Industrial machinery and equipment	0.0	0.5	0.4	0.0	0.7	0.6	0.3	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.1	0.3	0.4	-0.1	0.8	0.7	-0.2	0.2	0.3	(X)	0.1	0.1
Transportation equipment	0.1	0.2	0.4	0.0	0.4	0.7	0.0	0.0	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.3	0.3	(X)	1.3	0.9	(X)	0.3	0.2	(X)	0.3	0.1
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Tobacco products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
apital goods industries :												
Nondefense	0.0	0.4	0.3	0.0	0.3	0.7	0.1	0.0	0.1	(X)	0.1	0.1
Defense	0.1	0.4	0.4	-1.3	1.7	2.3	-0.1	0.1	0.1	(X)	0.3	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nonthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the lurable goods industries are shown in the advance report for the month.

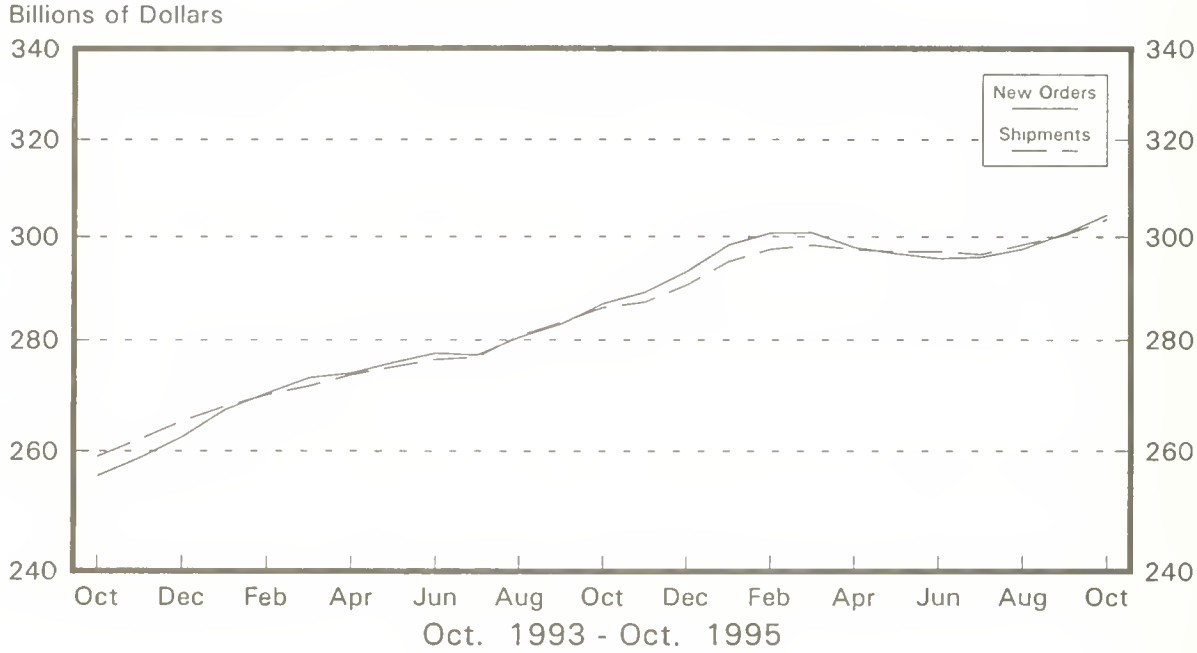
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

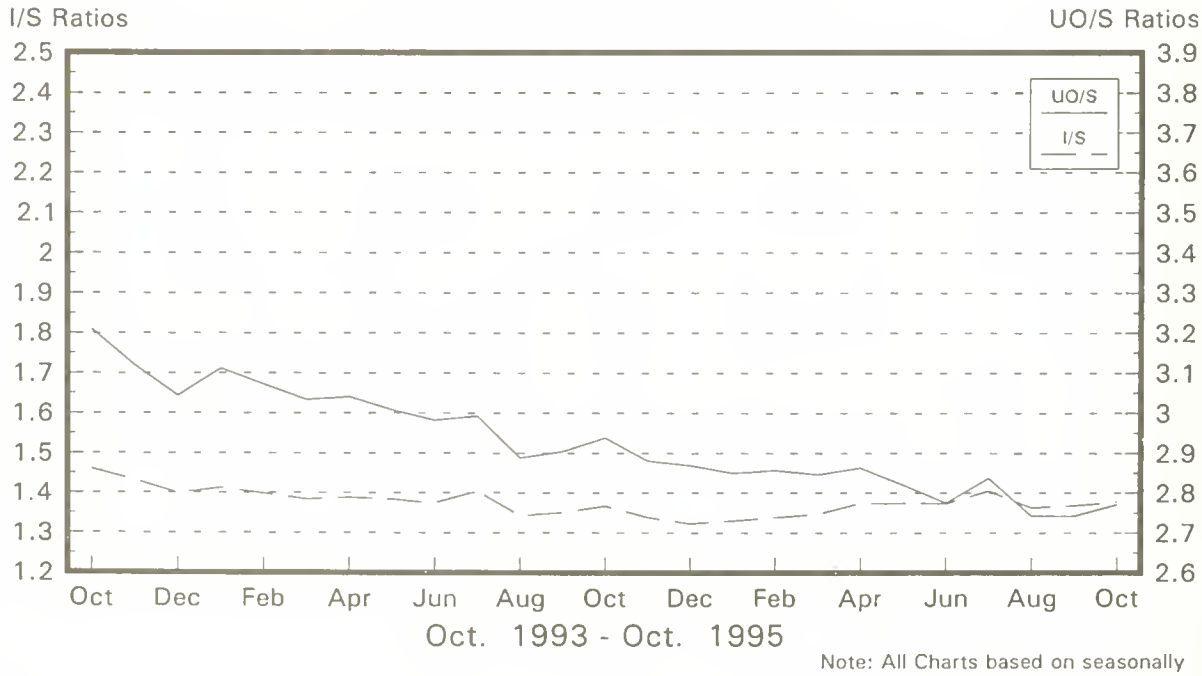
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

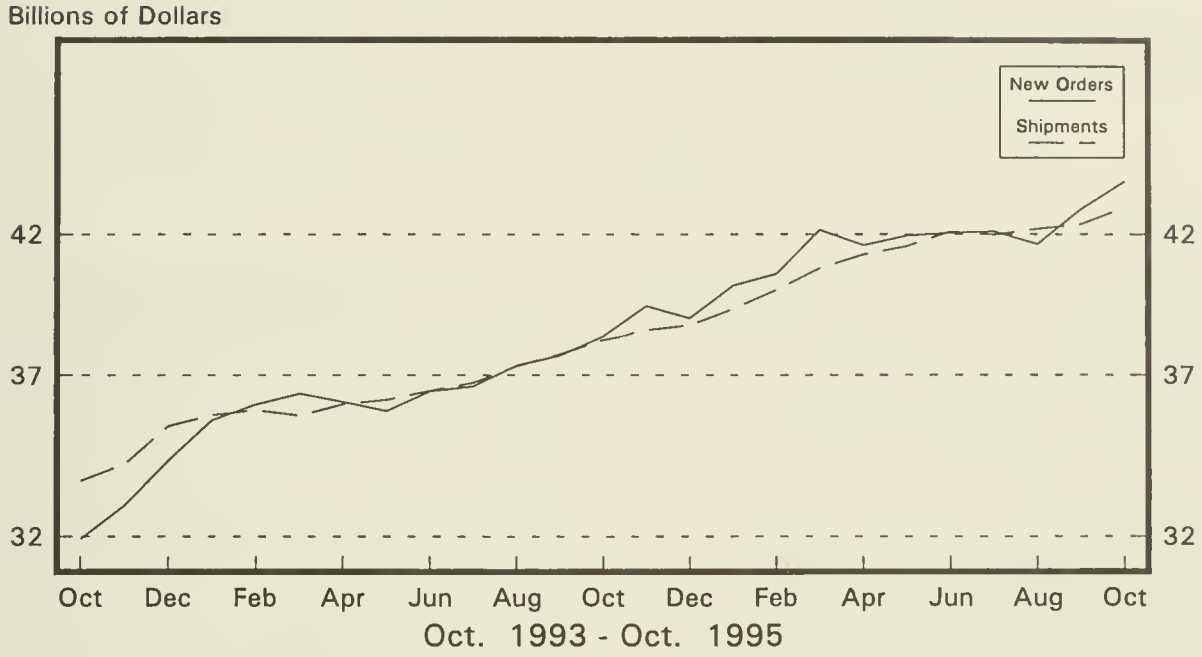
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

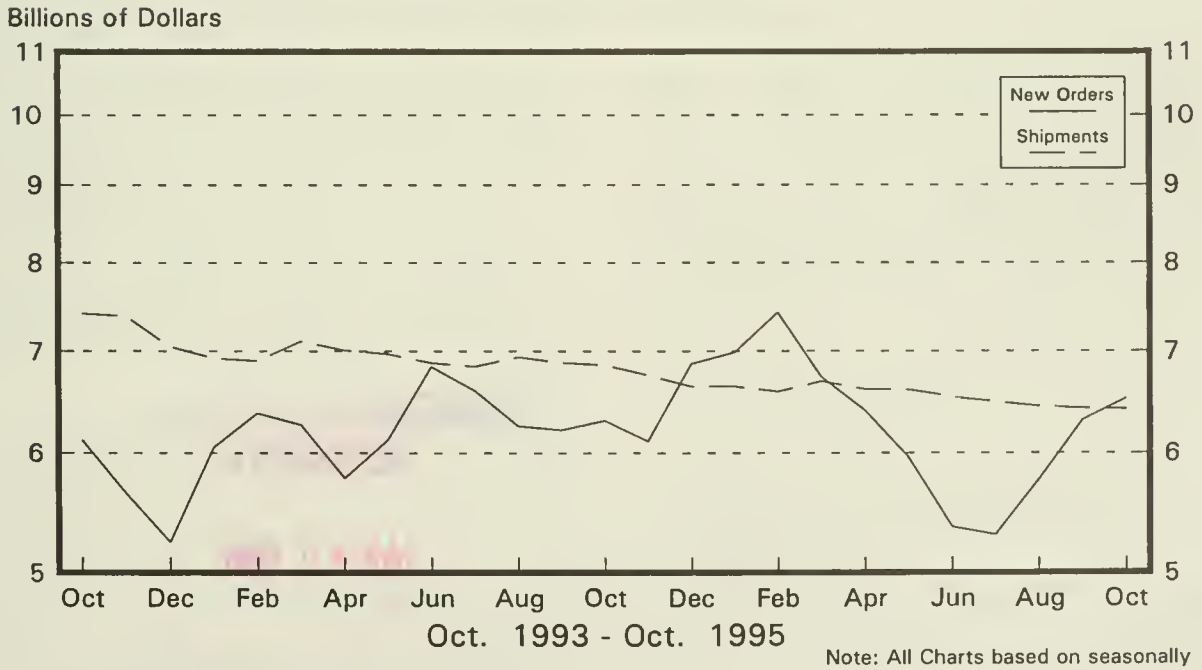
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1996 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
November 1995	Wed., Dec 27, 1995	Thurs., Jan 4, 1996
December 1995	Thurs., Jan. 25	Fri., Feb. 2
January 1996	Tues., Feb. 27	Tues., Mar. 5
February 1996	Wed., Mar. 27	Wed., Apr. 3
March 1996	Wed., Apr. 24	Thurs, May 2
April 1996	Fri., May 24	Tues., June 4
May 1996	Wed., June 26	Wed., July 3
June 1996	Thurs., July 25	Fri., Aug. 2
July 1996	Fri., Aug. 23	Fri., Aug. 30
August 1996	Thurs., Sept. 26	Thurs., Oct. 3
September 1996	Fri., Oct 25	Fri., Nov. 1
October 1996	Wed., Nov. 27 (10:00 AM)	Fri., Dec. 6
November 1996	Fri., Dec. 27	Tues., Jan 7, 1997

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

November/December 1995
M3-1-(95)-11/12
For Wire Transmissions 8:30 a.m. E.S.T. February 15, 1996

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $3.9 billion or 1.3 percent to $308.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows decreases of 0.1 percent in November and 0.6 percent in October and is the fifth increase this year. New orders for 1995 are 6.7 percent above 1994.

Shipments, up for the eighth month this year, increased $3.0 billion or 1.0 percent to $306.8 billion, following a 0.4 percent November increase. Shipments for 1995 are 7.0 percent above 1994.

Unfilled orders, up for the fourth consecutive month, increased $1.3 billion or 0.3 percent to $464.8 billion, following a 0.1 percent November increase. The unfilled orders-to-shipments ratio was 2.73, down from 2.75 in November. December 1995 unfilled orders are 1.7 percent above December 1994.

Inventories increased $0.3 billion or 0.1 percent to $417.8 billion, the fifteenth consecutive monthly increase and the twenty-second in the last twenty-four months. The inventories-to-shipments ratio was 1.36, down from 1.37 in November. December 1995 inventories are 6.6 percent above December 1994.

New Orders

New orders for manufactured durable goods in December increased $3.5 billion or 2.1 percent to $168.7 billion. This follows decreases of 0.8 percent and 1.5 percent in November and October respectively and is the fifth increase this year.

Transportation equipment had the largest increase, $2.5 billion or 6.3 percent to $42.3 billion; led by aircraft and aircraft parts, all component categories increased. This follows a 4.6 percent November increase and is the sixth increase this year. Electronic and other electrical equipment, up three of the last four months, increased $1.8 billion or 6.7 percent to $27.9 billion. This follows a 12.1 percent November decline. Instruments and related products, up for the third consecutive month, increased $0.4 billion or 3.8 percent to $12.3 billion. Industrial machinery and equipment decreased $0.7 billion or 2.2 percent to $31.9 billion, following a 2.0 percent November increase. Primary metals decreased $0.2 billion or 1.4 percent to $14.9 billion. This follows a 0.1 percent November decrease and is the tenth decline this year.

New orders for nondurable goods, up for the tenth month this year, increased $0.4 billion or 0.3 percent to $139.4 billion, following a 0.8 percent November increase. Increases, led by petroleum and coal products, chemicals and allied products, and apparel more than offset decreases, led by paper and allied products, textile mill products, and tobacco products.

Shipments

Shipments of durable goods in December increased $1.7 billion or 1.0 percent to $166.7 billion, following a 0.5 percent November increase. This is the fourth increase in the last five months and the ninth this year.

Industrial machinery and equipment, up for the first month since September, increased $0.7 billion or 2.2 percent to $32.6 billion. This follows a 0.1 percent November decline. Electronic and other electrical equipment, up four of the last five months, increased $0.6 billion or 2.0 percent to $28.4 billion. This follows a 1.6 percent November increase. Transportation equipment, up four of the last five months, increased $0.2 billion or 0.6 percent to $39.2 billion. This follows a 1.8 percent November increase.

Shipments of nondurable goods, up for the seventh month this year, increased $1.3 billion or 1.0 percent to $140.1 billion, following a 0.3 percent November increase. Petroleum and coal products, up for the seventh month this year, had the largest increase $0.7 billion or 5.6 percent to $13.3 billion. Chemicals and allied products, and printing and publishing products also had large increases.

Unfilled Orders

Unfilled orders for durable goods in December increased $2.0 billion or 0.5 percent to $441.8 billion, following a 0.1 percent November increase. This is the fourth consecutive increase and the eighth this year.

Transportation equipment had the largest increase, $3.1 billion or 1.5 percent to $203.1 billion, due to aircraft and aircraft parts. This follows a 0.4 percent November increase and is the fourth increase in the last five months. Instruments and related products, up for the third consecutive month, increased $0.4 billion or 0.9 percent to $46.0 billion. Primary metals, up for the fifth consecutive month, increased $0.2 billion or 0.7 percent to $28.5 billion. This follows a 1.3 percent November increase. Industrial machinery and equipment, down for the first month since September, decreased $0.7 billion or 1.0 percent to $72.8 billion. Electronic and other electrical equipment decreased $0.5 billion or 1.0 percent to $54.7 billion, following a 3.0 percent November decrease. This is the fourth decline this year.

Inventories

Inventories of durable goods in December, down for the first month since September 1994, decreased $0.2 billion or 0.1 percent to $263.3 billion, following a 0.1 percent November increase. Transportation equipment had the largest decline, $0.7 billion or 1.1 percent to $58.3 billion, following a 0.7 percent November decrease. Fabricated metal products, down for the fifth consecutive month, declined $0.2 billion or 1.0 percent to $24.7 billion. Electronic and other electrical equipment increased $0.6 billion or 1.2 percent to $47.4 billion. This follows a 0.5 percent November decrease and is the thirty-fifth increase in the last thirty-eight months. Instruments and related products, up for the seventh consecutive month, increased $0.2 billion or 0.7 percent to $22.9 billion. Industrial machinery and equipment, up for the sixth consecutive month, increased $0.1 billion or 0.2 percent to $54.2 billion.

Inventories of nondurable goods, up thirteen of the last fifteen months, increased $0.4 billion or 0.3 percent to $154.5 billion. This follows a slight November decline. Increases in petroleum and coal products, and chemicals and allied products more than offset declines in apparel and related products, and rubber and plastic products.

By stage of fabrication, December finished goods decreased slightly in durables and increased 1.1 percent in nondurables. Work in process decreased slightly in durables and declined 0.2 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.5 percent in nondurables.

NOTE: THIS COMBINED REPORT INCLUDES THE MOST RECENT DATA ESTIMATES FOR OCTOBER, NOVEMBER, AND DECEMBER 1995 FOR DURABLE GOODS CATEGORIES AS WELL AS THE ADDITIONAL CATEGORIES INCLUDED IN THE MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS (FACTORY ORDERS) REPORT. THERE WILL BE NO SEPARATE NOVEMBER AND DECEMBER ADVANCE PUBLICATIONS OR A NOVEMBER PRELIMINARY PUBLICATION.

The advance report for durable goods for January and the full report will be combined and released on March 5, 1996 at 8:30 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-t) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94	1995[p]	1994
All manufacturing industries	306,777	303,728	302,398	+1.0	+0.4	-0.6	303,736	303,919	311,545	290,089	+4.7	3,600,054	3,370,020
Manufacturing Industries													
with unfilled orders	170,405	168,516	166,848	+1.1	+1.0	-0.8	174,596	169,681	170,467	161,925	+7.8	1,982,471	1,816,329
without defense capital goods	300,569	297,623	296,109	+1.0	+0.5	-0.6	296,283	297,634	305,349	282,420	+4.9	3,522,825	3,288,058
Durable goods industries	166,655	164,926	164,062	+1.0	+0.5	-1.1	168,536	164,969	168,468	158,773	+6.1	1,945,563	1,812,716
With unfilled orders	134,548	132,953	131,460	+1.2	+1.1	-0.7	139,626	133,270	133,424	129,185	+8.1	1,559,739	1,433,994
Stone, clay, and glass products	7,405	7,352	7,275	+0.7	+1.1	+1.1	6,471	7,371	7,899	6,204	+4.3	85,895	80,277
Primary metals	14,678	14,740	14,889	-0.4	-1.0	-0.4	13,581	14,474	15,225	13,963	-2.7	179,399	156,527
Blast furnaces, steel mills	6,104	6,212	6,348	-1.7	-2.1	-0.4	5,622	6,051	6,528	6,153	-8.6	75,442	69,678
Iron and steel foundries	1,317	1,281	1,273	+2.8	+0.6	-3.6	1,108	1,274	1,393	1,168	-5.1	15,762	14,537
Nonferrous and other primary metals	7,257	7,247	7,268	+0.1	-0.3	+0.2	6,851	7,149	7,304	6,642	+3.1	88,195	72,312
Fabricated metal products	15,910	15,804	15,999	+0.7	-1.2	+0.6	14,924	15,722	16,910	14,293	+4.4	190,184	181,980
Industrial machinery and equipment	32,639	31,926	31,955	+2.2	-0.1	-0.5	35,818	30,948	30,939	32,027	+11.8	371,896	329,576
Engines and turbines	1,728	1,776	1,872	-2.7	-5.1	-2.9	2,313	1,730	1,672	2,897	-20.2	21,982	22,376
Farm and garden machinery	1,791	1,840	1,732	-2.7	+6.2	-5.5	1,447	1,522	1,666	1,448	-0.1	21,884	21,174
Construction, mining and material handling equipment	3,693	3,371	3,279	+9.6	+2.8	+0.3	3,564	3,161	3,294	2,938	+21.3	38,893	33,101
Metalworking machinery	3,414	3,447	3,764	-1.0	-8.4	+8.7	3,656	3,718	4,040	3,276	+11.6	41,019	35,319
Computer and office equipment	9,271	9,235	9,255	+0.4	-0.2	+0.3	12,535	9,193	8,107	10,667	+17.5	104,533	89,056
Electronic and other electrical equipment	28,390	27,835	27,392	+2.0	+1.6	-0.8	30,831	28,589	27,551	26,141	+17.9	316,339	273,982
Electrical transmission and distribution equipment and industrial apparatus	2,932	2,892	2,798	+1.4	+3.4	-6.2	2,897	2,766	2,695	2,650	+9.3	34,466	31,356
Household appliances	1,923	1,967	1,993	-2.2	-1.3	-0.1	1,742	1,933	1,982	1,819	-4.2	22,978	22,492
Electric lighting and wiring equipment	1,936	1,908	1,908	+1.5	0.0	-2.3	1,994	2,008	1,920	1,954	+2.0	23,009	21,715
Household audio and video equipment	1,218	1,257	1,220	-3.1	+3.0	+3.9	1,147	1,625	1,671	1,045	+9.8	14,005	12,585
Communications equipment	7,010	6,615	6,558	+6.0	+0.9	+2.7	9,600	6,579	6,264	7,426	+29.3	75,205	61,457
Electronic components	11,159	11,039	10,775	+1.1	+2.5	-1.8	11,159	11,107	10,556	8,913	+25.2	120,627	97,135
Transportation equipment	39,188	38,965	38,281	+0.6	+1.8	-3.6	38,187	39,254	40,603	38,305	-0.3	463,890	463,027
Motor vehicles and parts	27,609	27,388	27,743	+0.8	-1.3	-3.0	24,551	27,931	30,311	25,619	-4.2	328,199	328,823
Aircraft, missiles, space vehicles, and parts	8,433	8,579	7,951	-1.7	+7.9	-3.8	10,601	8,471	7,615	10,074	+5.2	100,929	101,566
Shipbuilding and tanks	808	804	771	+0.5	+4.3	+0.5	961	771	757	921	+4.3	9,970	11,457
Instruments and related products	11,845	11,797	11,487	+0.4	+2.7	0.0	12,811	11,955	11,307	12,306	+4.1	138,396	132,332
Search and navigation equipment	2,429	2,424	2,473	+0.2	-2.0	-1.6	2,790	2,530	2,344	2,873	-2.9	30,202	29,774
Measuring and controlling devices	4,151	3,876	3,701	+7.1	+4.7	-1.6	4,446	3,793	3,637	3,696	+20.3	44,330	38,806
Medical instruments and supplies	3,172	3,113	3,051	+1.9	+2.0	-1.0	3,407	3,090	2,935	3,298	+3.3	37,185	35,994
Photographic goods	1,669	1,961	1,849	-14.9	+6.1	+6.7	1,769	2,126	1,984	2,039	-13.2	21,796	23,280
All other durable goods	16,600	16,507	16,784	+0.6	-1.7	-1.0	15,913	16,656	18,034	15,534	+2.4	199,564	195,015
Nondurable goods industries	140,122	138,802	138,336	+1.0	+0.3	0.0	135,200	138,950	143,077	131,316	+3.0	1,654,491	1,557,304
With unfilled orders	35,857	35,563	35,388	+0.8	+0.5	-1.2	34,970	36,411	37,043	32,740	+6.8	422,732	382,335
Food and kindred products	37,785	37,760	37,466	+0.1	+0.8	+0.9	37,994	38,232	38,969	37,505	+1.3	440,145	429,631
Meat products	8,965	8,914	8,694	+0.6	+2.5	-3.0	8,813	8,797	9,077	8,317	+6.0	101,568	97,060
Dairy products	4,943	4,930	4,833	+0.3	+2.0	+2.2	4,854	5,058	4,787	4,760	+2.0	56,898	55,894
Beverages	5,483	5,431	5,542	+1.0	-2.0	+0.3	5,165	5,170	5,414	5,042	+2.4	64,997	62,686
All other foods, except fats and oils	16,340	16,247	16,332	+0.6	-0.5	+1.2	17,108	16,969	17,626	17,422	-1.8	193,494	191,899
Tobacco products	2,815	3,008	3,015	-6.4	-0.2	+16.5	2,990	3,162	2,884	2,937	+1.8	34,693	32,612
Textile mill products	6,080	6,104	6,068	-0.4	+0.6	-2.7	5,504	6,177	6,375	5,879	-6.4	74,773	74,241
Broadwoven fabrics and other textiles	3,708	3,754	3,764	-1.2	-0.3	-2.7	3,493	3,711	3,826	3,831	-8.8	46,252	46,097
Paper and allied products	13,997	13,922	13,997	+0.5	-0.5	-0.9	13,491	13,724	14,175	12,093	+11.6	165,863	137,969
Pulp, paper, and paperboard mill products	5,883	5,831	6,018	+0.9	-3.1	-2.7	5,730	5,791	5,962	5,005	+14.5	71,736	55,037
Paperboard containers and boxes	3,838	3,806	3,808	+0.8	-0.1	-0.3	3,558	3,699	3,922	3,156	+12.7	44,489	36,096
Miscellaneous converted paper products	4,276	4,285	4,171	-0.2	+2.7	+1.2	4,203	4,234	4,291	3,932	+6.9	49,638	46,836
Chemicals and allied products	30,799	30,563	30,850	+0.8	-0.9	+1.1	29,596	29,252	30,149	29,018	+2.0	366,942	341,522
Industrial chemicals	16,238	16,157	16,213	+0.5	-0.3	-1.3	15,069	15,551	16,007	15,486	-2.7	198,802	179,846
Drugs, soaps, and toiletries	10,955	10,761	10,838	+1.8	-0.7	+4.4	11,514	10,684	10,934	10,629	+8.3	125,693	122,262
Petroleum and coal products	13,326	12,620	12,198	+5.6	+3.5	-3.5	12,871	12,872	12,896	12,196	+5.5	155,330	144,380
Rubber and plastics products	10,045	9,963	10,006	+0.8	-0.4	-1.0	9,079	9,513	10,316	9,064	+0.2	120,132	113,738
All other nondurable goods	25,275	24,862	24,736	+1.7	+0.5	-0.9	23,675	26,018	27,313	22,624	+4.6	296,613	283,211

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94	1995[p]	1994
All manufacturing industries	308,081	304,148	304,370	+1.3	-0.1	-0.6	305,084	303,118	313,064	294,165	+3.7	3,606,989	3,383,430
Manufacturing industries													
with unfilled orders	171,709	168,936	168,820	+1.6	+0.1	-0.7	175,944	168,880	171,986	166,001	+6.0	1,989,406	1,829,739
without defense capital goods	302,372	298,906	298,959	+1.2	0.0	-0.1	296,676	298,113	307,194	281,823	+5.3	3,536,161	3,305,501
Durable goods industries	168,683	165,167	166,490	+2.1	-0.8	-1.5	170,638	164,347	171,333	162,526	+5.0	1,954,931	1,822,537
With unfilled orders	136,576	133,194	133,888	+2.5	-0.5	-1.1	141,728	132,648	136,289	132,938	+6.6	1,569,107	1,443,815
Stone, clay, and glass products	7,270	7,383	7,216	-1.5	+2.3	-0.3	6,205	7,334	7,513	6,280	-1.2	85,849	80,972
Primary metals	14,881	15,094	15,109	-1.4	-0.1	+0.9	14,591	14,771	15,085	15,213	-4.1	179,119	162,838
Blast furnaces, steel mills	6,435	6,524	6,627	-1.4	-1.6	+5.2	6,115	6,301	6,514	6,152	-0.6	76,531	70,617
Iron and steel foundries	1,237	1,273	1,280	-2.8	-0.5	-2.8	1,018	1,257	1,426	1,414	-28.0	15,614	15,181
Nonferrous and other primary metals	7,209	7,297	7,202	-1.2	+1.3	-2.1	7,458	7,213	7,145	7,647	-2.5	86,974	77,040
Fabricated metal products	15,862	15,867	15,919	0.0	-0.3	-0.1	15,108	15,523	16,490	14,628	+3.3	190,552	182,426
Industrial machinery and equipment	31,909	32,624	31,987	-2.2	+2.0	-0.4	34,314	32,415	31,558	30,879	+11.1	377,131	343,794
Engines and turbines	1,533	2,237	1,782	-31.5	+25.5	-13.5	2,076	2,304	1,736	2,114	-1.8	22,217	22,861
Construction, mining and material handling equipment	3,857	3,447	3,522	+11.9	-2.1	+1.4	3,728	3,245	3,679	2,886	+29.2	40,362	34,309
Metalworking machinery	2,977	2,965	3,511	+0.4	-15.6	+6.2	3,219	3,236	3,787	3,263	-1.3	41,027	37,561
Computer and office equipment	9,107	9,333	9,320	-2.4	+0.1	+4.6	11,382	9,642	8,365	9,793	+16.2	104,556	93,005
Electronic and other electrical equipment	27,859	26,099	29,691	+6.7	-12.1	+6.1	29,278	26,550	30,565	26,570	+10.2	323,020	275,676
Electrical transmission and distribution equipment and industrial apparatus	2,848	2,772	2,989	+2.7	-7.3	+10.0	2,750	2,664	2,900	2,482	+10.8	34,389	31,332
Electric lighting and wiring equipment	2,044	1,827	1,859	+11.9	-1.7	+1.3	2,102	1,927	1,871	1,977	+6.3	23,207	22,121
Communications equipment	6,563	6,629	6,787	-1.0	-2.3	-11.5	9,146	6,540	6,530	8,184	+11.8	77,547	61,429
Electronic components	10,871	9,852	12,933	+10.3	-23.8	+21.2	10,138	9,747	13,276	8,765	+15.7	126,239	97,963
Transportation equipment	42,259	39,746	38,008	+6.3	+4.6	-11.8	42,111	39,834	40,601	41,368	+1.8	463,377	452,725
Aircraft, missiles, space vehicles, and parts	11,577	9,719	8,391	+19.1	+15.8	-26.6	14,528	9,530	8,385	9,478	+53.3	104,162	88,433
Shipbuilding and tanks	787	606	261	+29.9	+132.2	-61.0	847	481	289	3,880	-78.2	7,285	11,100
Instruments and related products	12,265	11,820	11,748	+3.8	+0.6	+8.4	13,911	11,649	11,737	12,676	+9.7	136,747	128,956
Search and navigation equipment	2,882	2,417	2,184	+19.2	+10.7	+8.4	3,921	2,240	2,240	3,336	+17.5	27,992	27,191
Measuring and controlling devices	4,170	3,909	3,828	+6.7	+2.1	+4.9	4,465	3,826	3,764	3,797	+17.6	45,182	39,223
Medical instruments and supplies	3,120	3,116	3,440	+0.1	-9.4	+12.9	3,355	3,093	3,324	3,107	+8.0	36,832	34,830
All other durable goods	16,378	16,534	16,812	-0.9	-1.7	+0.3	15,120	16,271	17,784	14,912	+1.4	199,136	195,150
Nondurable goods industries	139,398	138,981	137,880	+0.3	+0.8	+0.5	134,446	138,771	141,731	131,639	+2.1	1,652,058	1,560,893
With unfilled orders	35,133	35,742	34,932	-1.7	+2.3	+0.8	34,216	36,232	35,697	33,063	+3.5	420,299	385,924

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94
All manufacturing industries	464,789	463,485	463,065	+0.3	+0.1	+0.4	458,703	457,355	458,156	451,768	+1.5
Manufacturing industries without defense capital goods	358,272	356,469	355,186	+0.5	+0.4	+0.8	351,999	351,606	351,127	338,663	+3.9
Durable goods industries	441,818	439,790	439,549	+0.5	+0.1	+0.6	436,816	434,714	435,336	427,448	+2.2
Stone, clay, and glass products	7,833	7,968	7,937	-1.7	+0.4	-0.7	7,468	7,734	7,771	7,514	-0.6
Primary metals	28,531	28,328	27,974	+0.7	+1.3	+0.8	27,579	26,569	26,272	27,859	-1.0
Blast furnaces, steel mills	12,450	12,119	11,807	+2.7	+2.6	+2.4	11,740	11,247	10,997	10,651	+10.2
Iron and steel foundries	3,619	3,699	3,707	-2.2	-0.2	+0.2	3,539	3,629	3,646	3,687	-4.0
Nonferrous and other primary metals	12,462	12,510	12,460	-0.4	+0.4	-0.5	12,300	11,693	11,629	13,521	-9.0
Fabricated metal products	21,181	21,229	21,166	-0.2	+0.3	-0.4	20,860	20,676	20,875	20,492	+1.8
Industrial machinery and equipment	72,796	73,526	72,828	-1.0	+1.0	0.0	72,431	73,935	72,468	67,196	+7.8
Engines and turbines	10,439	10,634	10,173	-1.8	+4.5	-0.9	10,859	11,096	10,522	10,624	+2.2
Construction, mining and material handling equipment	8,606	8,442	8,366	+1.9	+0.9	+3.0	8,468	8,304	8,220	6,999	+21.0
Metalworking machinery	9,585	10,022	10,504	-4.4	-4.6	-2.4	9,585	10,022	10,504	9,577	+0.1
Computer and office equipment	11,715	11,879	11,781	-1.4	+0.8	+0.6	11,223	12,376	11,927	11,200	+0.2
Electronic and other electrical equipment	54,723	55,254	56,990	-1.0	-3.0	+4.2	52,813	54,366	56,405	46,132	+14.5
Electrical transmission and distribution equipment and industrial apparatus	5,717	5,801	5,921	-1.4	-2.0	+3.3	5,669	5,816	5,918	5,746	-1.3
Electric lighting and wiring equipment	3,841	3,733	3,814	+2.9	-2.1	-1.3	3,841	3,733	3,814	3,643	+5.4
Communications equipment	17,362	17,809	17,795	-2.5	+0.1	+1.3	17,346	17,800	17,839	15,004	+15.6
Electronic components	23,166	23,454	24,641	-1.2	-4.8	+9.6	21,544	22,565	23,925	15,932	+35.2
Transportation equipment	203,065	199,994	199,213	+1.5	+0.4	-0.1	202,661	198,737	198,157	203,174	-0.3
Aircraft, missiles, space vehicles, and parts	174,304	171,160	170,020	+1.8	+0.7	+0.3	174,125	170,198	169,139	170,892	+1.9
Shipbuilding and tanks	16,386	16,407	16,605	-0.1	-1.2	-3.0	16,254	16,368	16,658	18,939	-14.2
Instruments and related products	46,021	45,601	45,578	+0.9	+0.1	+0.6	46,369	45,269	45,575	48,018	-3.4
Search and navigation equipment	29,115	28,662	28,669	+1.6	0.0	-1.0	29,497	28,366	28,656	31,707	-7.0
Measuring and controlling devices	10,101	10,082	10,049	+0.2	+0.3	+1.3	10,101	10,082	10,049	9,249	+9.2
Medical instruments and supplies	5,939	5,991	5,988	-0.9	+0.1	+6.9	5,939	5,991	5,988	6,292	-5.6
All other durable goods	7,668	7,890	7,863	-2.8	+0.3	+0.4	6,635	7,428	7,813	7,063	-6.1
Nondurable goods industries	22,971	23,695	23,516	-3.1	+0.8	-1.9	21,887	22,641	22,820	24,320	-10.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94
All manufacturing industries	417,840	417,586	417,435	+0.1	0.0	+0.3	407,965	416,838	418,269	384,058	+6.2
Manufacturing industries with unfilled orders	281,137	281,141	280,897	0.0	+0.1	+0.5	272,664	280,250	281,273	253,369	+7.6
without defense capital goods	397,374	396,707	396,137	+0.2	+0.1	+0.4	388,462	395,891	396,584	362,307	+7.2
Durable goods industries	263,331	263,517	263,305	-0.1	+0.1	+0.6	256,481	263,591	263,740	241,784	+6.1
With unfilled orders	241,518	241,526	241,405	0.0	+0.1	+0.5	234,658	241,423	242,150	220,503	+6.4
Stone, clay, and glass products	8,241	8,326	8,416	-1.0	-1.1	-1.1	8,037	8,033	8,144	7,541	+6.6
Primary metals	21,728	21,823	21,825	-0.4	0.0	-0.3	21,641	21,704	21,783	20,749	+4.3
Blast furnaces, steel mills	10,459	10,401	10,426	+0.6	-0.2	-0.8	10,626	10,458	10,469	9,987	+6.4
Iron and steel foundries	1,650	1,632	1,646	+1.1	-0.9	+1.3	1,627	1,590	1,616	1,581	+2.9
Nonferrous and other primary metals	9,619	9,790	9,753	-1.7	+0.4	-0.1	9,388	9,656	9,698	9,181	+2.3
Fabricated metal products	24,734	24,980	25,111	-1.0	-0.5	-0.3	24,122	24,480	24,677	23,714	+1.7
Industrial machinery and equipment	54,247	54,124	53,335	+0.2	+1.5	+0.5	52,600	54,786	53,732	48,269	+9.0
Engines and turbines	3,788	3,734	3,738	+1.4	-0.1	-0.9	3,488	3,874	3,896	3,503	-0.4
Farm and garden machinery	2,693	2,713	2,585	-0.7	+5.0	-1.7	2,890	2,824	2,481	2,995	-3.5
Construction, mining and material handling equipment	6,493	6,520	6,532	-0.4	-0.2	+0.3	6,324	6,463	6,473	6,053	+4.5
Metalworking machinery	6,424	6,381	6,347	+0.7	+0.5	0.0	6,141	6,364	6,400	5,479	+12.1
Computer and office equipment	12,493	12,492	12,126	0.0	+3.0	+3.4	11,893	12,999	12,529	10,411	+14.2
Electronic and other electrical equipment	47,400	46,838	47,051	+1.2	-0.5	+1.7	45,650	46,360	47,176	39,007	+17.0
Electrical transmission and distribution equipment and industrial apparatus	4,897	4,902	4,933	-0.1	-0.6	+1.6	4,719	4,910	4,928	4,552	+3.7
Household appliances	2,740	2,718	2,731	+0.8	-0.5	-0.6	2,496	2,573	2,599	2,552	-2.2
Electric lighting and wiring equipment	3,293	3,319	3,326	-0.8	-0.2	+1.3	3,109	3,290	3,332	2,937	+5.9
Household audio and video equipment	1,691	1,667	1,677	+1.4	-0.6	+1.8	1,568	1,568	1,686	1,212	+29.4
Communications equipment	15,670	15,510	15,853	+1.0	-2.2	+2.6	15,001	15,245	15,813	12,072	+24.3
Electronic components	15,282	14,897	14,749	+2.6	+1.0	+1.6	15,083	15,037	15,038	12,283	+22.8
Transportation equipment	58,279	58,952	59,386	-1.1	-0.7	+0.3	56,711	59,827	60,050	57,197	-0.8
Motor vehicles and parts	11,881	11,961	12,005	-0.7	-0.4	+0.4	11,743	12,200	12,137	11,974	-1.9
Aircraft, missiles, space vehicles, and parts	41,719	42,098	42,381	-0.9	-0.7	0.0	40,373	42,739	43,020	40,913	-1.3
Shipbuilding and tanks	1,697	1,710	1,678	-0.8	+1.9	-1.7	1,624	1,695	1,622	1,451	+11.9
Instruments and related products	22,940	22,782	22,619	+0.7	+0.7	+0.9	22,325	22,972	22,767	21,267	+5.0
Search and navigation equipment	5,691	5,603	5,440	+1.6	+3.0	+0.8	5,571	5,615	5,456	5,434	+2.5
Measuring and controlling devices	7,437	7,429	7,362	+0.1	+0.9	+0.9	7,251	7,479	7,363	6,560	+10.5
Medical instruments and supplies	6,378	6,315	6,355	+1.0	-0.6	+1.8	6,295	6,413	6,435	6,058	+3.9
Photographic goods	2,557	2,564	2,593	-0.3	-1.1	-0.6	2,340	2,587	2,651	2,321	+0.8
All other durable goods	25,762	25,692	25,562	+0.3	+0.5	+1.5	25,395	25,429	25,411	24,040	+5.6
Nondurable goods industries	154,509	154,069	154,130	+0.3	0.0	-0.2	151,484	153,247	154,529	142,274	+6.5
With unfilled orders	39,619	39,615	39,492	0.0	+0.3	+0.5	38,006	38,827	39,123	32,866	+15.6
Food and kindred products	31,635	31,541	31,553	+0.3	0.0	+0.4	31,866	32,964	33,353	31,171	+2.2
Meat products	3,987	3,893	3,847	+2.4	+1.2	+0.6	3,768	3,876	3,864	3,202	+17.7
Dairy products	2,791	2,686	2,671	+3.9	+0.6	+3.3	2,643	2,604	2,661	2,613	+1.1
Beverages	5,377	5,403	5,413	-0.5	-0.2	+0.1	5,323	5,474	5,512	5,134	+3.7
All other foods, except fats and oils	17,546	17,644	17,745	-0.6	-0.6	0.0	18,072	18,964	19,364	18,517	-2.4
Tobacco products	5,551	5,526	5,564	+0.5	-0.7	-1.9	5,834	5,535	5,648	5,966	-2.2
Textile mill products	10,492	10,501	10,452	-0.1	+0.5	+0.8	9,949	10,196	10,165	9,345	+6.5
Broadwoven fabrics and other textiles	5,816	5,827	5,826	-0.2	0.0	-0.3	5,566	5,740	5,714	5,265	+5.7
Paper and allied products	16,822	16,672	16,628	+0.9	+0.3	+1.3	16,519	16,373	16,329	13,432	+23.0
Pulp, paper, and paperboard mill products	7,070	6,954	6,790	+1.7	+2.4	+2.4	6,957	6,854	6,679	5,290	+31.5
Paperboard containers and boxes	4,445	4,524	4,553	-1.7	-0.6	-0.6	4,409	4,401	4,430	3,525	+25.1
Miscellaneous converted paper products	5,307	5,194	5,285	+2.2	-1.7	+1.6	5,153	5,118	5,220	4,617	+11.6
Chemicals and allied products	35,904	35,721	35,944	+0.5	-0.6	-1.1	35,592	35,386	35,578	34,162	+4.2
Industrial chemicals	17,986	18,009	18,091	-0.1	-0.5	-1.4	18,022	17,776	17,878	16,753	+7.6
Drugs, soaps, and toiletries	13,206	12,993	13,187	+1.6	-1.5	-0.8	12,823	12,969	13,176	12,838	-0.1
Petroleum and coal products	11,145	10,661	10,520	+4.5	+1.3	-2.3	10,569	10,698	10,713	10,058	+5.1
Rubber and plastics products	13,897	14,075	14,148	-1.3	-0.5	-0.3	13,696	13,820	13,832	13,051	+4.9
All other nondurable goods	29,063	29,372	29,321	-1.1	+0.2	+0.1	27,459	28,275	28,911	25,089	+9.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94	1995[p]	1994
SHIPMENTS													
All manufacturing industries	306,777	303,728	302,398	+1.0	+0.4	-0.6	303,736	303,919	311,545	290,089	+4.7	3,600,054	3,370,020
Market categories :													
Automotive equipment	14,415	14,303	14,437	+0.8	-0.9	-3.0	12,764	14,530	15,838	13,082	-2.4	170,624	167,152
Home goods and apparel	19,869	19,719	19,675	+0.8	+0.2	-0.1	17,220	20,721	22,336	17,052	+1.0	235,458	228,458
Consumer staples	62,849	62,195	61,751	+1.1	+0.7	+1.0	63,671	63,000	63,634	61,515	+3.5	733,151	706,838
Machinery and equipment	56,793	56,168	55,183	+1.1	+1.8	-1.3	62,711	55,566	54,916	56,859	+10.3	652,881	594,483
Business supplies	23,077	22,862	22,573	+0.9	+1.3	-0.8	22,449	23,298	23,547	21,333	+5.2	270,085	252,354
Construction materials and supplies	18,668	18,518	18,855	+0.8	-1.8	0.0	17,289	18,364	19,994	17,103	+1.1	223,886	216,172
Defense products	6,758	6,555	6,734	+3.1	-2.7	-1.6	7,787	6,617	6,641	7,896	-1.4	83,078	87,176
Other materials, supplies and and intermediate products	104,348	103,408	103,190	+0.9	+0.2	-1.0	99,845	101,823	104,639	95,249	+4.8	1,230,891	1,117,387
Durable goods industries :													
Nondefense capital goods [3]	45,050	44,023	42,976	+2.3	+2.4	-1.4	52,888	43,044	41,155	45,834	+15.4	508,716	447,781
Excluding aircraft and parts	39,825	38,600	38,324	+3.2	+0.7	-0.9	46,180	37,803	36,883	39,960	+15.6	448,224	390,441
Defense capital goods [4]	6,208	6,105	6,289	+1.7	-2.9	-1.4	7,453	6,285	6,196	7,669	-2.8	77,229	81,962
Durables excluding capital goods	115,397	114,798	114,797	+0.5	0.0	-1.0	108,195	115,640	121,117	105,270	+2.8	1,359,618	1,282,973
Miscellaneous series :													
Producers' durable equipment	106,839	105,747	104,620	+1.0	+1.1	-1.4	109,783	106,003	107,322	103,028	+6.6	1,242,143	1,165,348
Household durable goods	8,740	8,779	8,698	-0.4	+0.9	+0.7	8,125	9,473	9,723	7,826	+3.8	102,226	97,111
Information technology industries	22,337	21,921	21,597	+1.9	+1.5	+1.0	28,497	21,921	20,229	24,034	+18.6	248,823	215,058
Health care equipment and products	9,115	8,953	8,931	+1.8	+0.2	+2.4	9,637	8,884	8,871	9,056	+6.4	105,421	102,367
NEW ORDERS													
All manufacturing industries	308,081	304,148	304,370	+1.3	-0.1	-0.6	305,084	303,118	313,064	294,165	+3.7	3,606,989	3,383,430
Market categories :													
Automotive equipment	14,402	14,227	14,368	+1.2	-1.0	-3.3	12,758	14,441	15,768	13,129	-2.8	170,341	167,396
Home goods and apparel	19,855	19,934	19,519	-0.4	+2.1	+0.7	16,762	20,127	21,509	16,332	+2.6	235,118	228,124
Consumer staples	62,768	62,202	61,788	+0.9	+0.7	+1.4	63,617	63,012	63,622	61,541	+3.4	733,292	706,991
Machinery and equipment	60,007	57,964	56,991	+3.5	+1.7	-4.2	65,087	57,841	57,145	55,064	+18.2	664,569	595,092
Business supplies	22,950	23,001	22,557	-0.2	+2.0	+0.4	22,341	23,382	23,358	21,431	+4.2	270,242	252,797
Construction materials and supplies	18,628	18,435	18,803	+1.0	-2.0	+0.3	17,252	18,203	19,680	17,288	-0.2	223,793	217,737
Defense products	6,367	5,715	5,844	+11.4	-2.2	-22.8	9,003	5,426	6,252	12,713	-29.2	77,647	83,504
Other materials, supplies and and intermediate products	103,104	102,670	104,500	+0.4	-1.8	+1.8	98,264	100,686	105,730	96,667	+1.7	1,231,987	1,131,789
Durable goods industries :													
Nondefense capital goods [3]	47,951	46,067	43,755	+4.1	+5.3	-6.8	54,869	45,796	42,519	43,864	+25.1	520,012	450,360
Excluding aircraft and parts	38,835	38,978	38,691	-0.4	+0.7	-2.8	44,270	38,889	37,835	39,673	+11.6	454,949	405,790
Defense capital goods [4]	5,709	5,242	5,411	+8.9	-3.1	-22.6	8,408	5,005	5,870	12,342	-31.9	70,828	77,929
Durables excluding capital goods	115,023	113,858	117,324	+1.0	-3.0	+2.0	107,361	113,546	122,944	106,320	+1.0	1,364,091	1,294,248
Miscellaneous series :													
Producers' durable equipment	110,322	107,414	107,165	+2.7	+0.2	-2.4	111,901	107,520	109,858	101,492	+10.3	1,255,219	1,172,919
Household durable goods	8,682	8,868	8,666	-2.1	+2.3	+0.5	7,709	9,089	9,366	7,461	+3.3	102,133	97,473
Information technology industries	21,965	22,041	22,082	-0.3	-0.2	+0.8	27,135	22,377	20,907	23,910	+13.5	251,464	219,901
Health care equipment and products	9,062	8,955	9,320	+1.2	-3.9	+7.4	9,582	8,887	9,260	8,863	+8.1	105,065	101,202

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and materia handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servic industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engine and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tank and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94
UNFILLED ORDERS											
All manufacturing industries	464,789	463,485	463,065	+0.3	+0.1	+0.4	458,703	457,355	458,156	451,768	+1.5
Market categories :											
Automotive equipment	1,895	1,909	1,984	-0.7	-3.8	-3.4	1,862	1,868	1,957	2,146	-13.2
Home goods and apparel	9,569	9,582	9,367	-0.1	+2.3	-1.6	7,988	8,445	9,039	8,328	-4.1
Consumer staples	1,734	1,814	1,807	-4.4	+0.4	+2.0	1,772	1,825	1,814	1,632	+8.6
Machinery and equipment	193,512	190,298	188,502	+1.7	+1.0	+1.0	192,520	190,145	187,869	180,833	+6.5
Business supplies	6,125	6,252	6,113	-2.0	+2.3	-0.3	5,966	6,074	5,989	5,810	+2.7
Construction materials and supplies	15,706	15,745	15,829	-0.2	-0.5	-0.3	15,346	15,383	15,544	15,440	-0.6
Defense products	101,451	101,842	102,682	-0.4	-0.8	-0.9	101,807	100,591	101,782	107,239	-5.1
Other materials, supplies and and intermediate products	134,797	136,043	136,781	-0.9	-0.5	+1.0	131,442	133,024	134,162	130,340	+0.8
Durable goods industries :											
Nondefense capital goods [3]	211,812	208,911	206,867	+1.4	+1.0	+0.4	211,212	209,231	206,479	199,916	+5.7
Excluding aircraft and parts	98,332	99,322	98,944	-1.0	+0.4	+0.4	97,732	99,642	98,556	91,007	+7.4
Defense capital goods [4]	106,517	107,016	107,879	-0.5	-0.8	-0.8	106,704	105,749	107,029	113,105	-5.7
Durables excluding capital goods	123,489	123,863	124,803	-0.3	-0.8	+2.1	118,900	119,734	121,828	114,427	+3.9
Miscellaneous series :											
Producers' durable equipment	229,071	225,588	223,921	+1.5	+0.7	+1.1	226,790	224,672	223,155	213,714	+6.1
Household durable goods	6,021	6,079	5,990	-1.0	+1.5	-0.5	5,104	5,520	5,904	5,197	-1.8
Information technology industries	40,069	40,441	40,321	-0.9	+0.3	+1.2	39,570	40,932	40,476	36,929	+7.2
Health care equipment and products	5,966	6,019	6,017	-0.9	0.0	+6.9	5,965	6,020	6,018	6,323	-5.7
TOTAL INVENTORIES											
All manufacturing industries	417,840	417,586	417,435	+0.1	0.0	+0.3	407,965	416,838	418,269	384,058	+6.2
Market categories :											
Automotive equipment	6,543	6,595	6,629	-0.8	-0.5	+1.3	6,426	6,672	6,599	6,255	+2.7
Home goods and apparel	34,116	34,209	34,168	-0.3	+0.1	+0.6	32,503	32,698	33,280	30,790	+5.6
Consumer staples	59,925	59,256	59,403	+1.1	-0.2	-0.3	59,463	60,413	61,183	57,919	+2.7
Machinery and equipment	104,613	104,309	103,838	+0.3	+0.5	+1.4	101,430	105,281	104,388	92,345	+9.8
Business supplies	23,967	23,934	23,872	+0.1	+0.3	-0.2	22,936	23,651	23,895	21,046	+9.0
Construction materials and supplies	26,532	26,613	26,608	-0.3	0.0	+0.3	25,809	26,082	26,237	24,839	+3.9
Defense products	20,158	20,479	20,823	-1.6	-1.7	-1.9	19,331	20,487	21,153	21,164	-8.7
Other materials, supplies and and intermediate products	141,986	142,191	142,094	-0.1	+0.1	0.0	140,067	141,554	141,534	129,700	+8.0
Durable goods industries :											
Nondefense capital goods [3]	99,578	99,329	98,817	+0.3	+0.5	+1.5	96,212	100,166	99,489	86,812	+10.8
Excluding aircraft and parts	71,691	71,439	71,202	+0.4	+0.3	+1.3	68,897	71,741	71,623	61,295	+12.4
Defense capital goods [4]	20,466	20,879	21,298	-2.0	-2.0	-2.0	19,503	20,947	21,685	21,751	-10.3
Durables excluding capital goods	143,287	143,309	143,190	0.0	+0.1	+0.4	140,766	142,478	142,566	133,221	+5.7
Miscellaneous series :											
Producers' durable equipment	165,547	165,292	164,695	+0.2	+0.4	+1.0	160,843	165,802	165,019	149,283	+7.7
Household durable goods	15,094	14,976	14,916	+0.8	+0.4	+0.6	14,418	14,491	14,727	13,687	+5.3
Information technology industries	38,901	38,638	38,554	+0.7	+0.2	+2.2	37,246	38,993	39,009	32,052	+16.2
Health care equipment and products	13,570	13,397	13,541	+1.3	-1.1	+0.4	13,280	13,480	13,613	13,047	+1.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1995[p]	Nov. 1995	Oct. 1995[r]	Dec. 1994	Dec. 95/94
MATERIALS AND SUPPLIES											
All manufacturing industries	138,001	138,404	138,458	-0.3	0.0	+0.6	138,038	138,562	138,983	128,662	+7.3
Durable goods industries	80,974	81,104	81,349	-0.2	-0.3	+1.4	80,927	81,684	82,099	75,113	+7.7
Stone, clay, and glass products	2,788	2,863	2,873	-2.6	-0.3	-0.4	2,790	2,841	2,858	2,643	+5.6
Primary metals	6,640	6,782	6,787	-2.1	-0.1	0.0	6,876	6,905	6,880	6,707	+2.5
Fabricated metal products	8,311	8,477	8,618	-2.0	-1.6	+0.3	8,519	8,454	8,497	8,682	-1.9
Industrial machinery and equipment	18,678	18,670	18,705	0.0	-0.2	+2.4	18,346	18,954	18,947	16,573	+10.7
Electronic and other electrical equipment	16,628	16,586	16,837	+0.3	-1.5	+1.9	16,291	16,388	16,968	13,106	+24.3
Transportation equipment	9,945	9,943	9,916	0.0	+0.3	+0.7	9,964	10,060	9,966	10,749	-7.3
Instruments and related products	7,234	7,217	7,222	+0.2	-0.1	+1.2	7,154	7,217	7,221	6,792	+5.3
Lumber, furniture and miscellaneous durable goods	10,750	10,566	10,391	+1.7	+1.7	+2.0	10,987	10,865	10,762	9,861	+11.4
Nondurable goods industries	57,027	57,300	57,109	-0.5	+0.3	-0.5	57,111	56,878	56,884	53,549	+6.7
Food and kindred products	10,548	10,510	10,489	+0.4	+0.2	0.0	10,782	10,847	10,793	10,240	+5.3
Tobacco products	4,697	4,686	4,691	+0.2	-0.1	-1.4	4,970	4,538	4,588	5,007	-0.7
Textile mill products	3,023	3,036	3,028	-0.4	+0.3	+0.3	2,964	2,943	2,917	2,844	+4.2
Paper and allied products	8,180	8,301	8,284	-1.5	+0.2	+0.5	8,168	8,230	8,247	6,988	+16.9
Chemicals and allied products	11,623	11,725	11,674	-0.9	+0.4	0.0	11,635	11,671	11,600	11,512	+1.1
Petroleum and coal products	3,475	3,381	3,260	+2.8	+3.7	-1.9	3,346	3,285	3,284	2,892	+15.7
Rubber and plastics products	4,979	5,088	5,122	-2.1	-0.7	-2.5	4,998	5,031	5,022	5,025	-0.5
Apparel, printing and publishing and leather goods	10,502	10,573	10,561	-0.7	+0.1	-0.6	10,248	10,333	10,433	9,041	+13.4
WORK IN PROCESS											
All manufacturing industries	134,876	134,967	134,252	-0.1	+0.5	0.0	130,453	135,826	136,086	124,975	+4.4
Durable goods industries	110,176	110,216	109,485	0.0	+0.7	+0.1	106,424	110,730	110,584	101,705	+4.6
Stone, clay, and glass products	1,284	1,318	1,331	-2.6	-1.0	-1.6	1,201	1,212	1,248	1,078	+11.4
Primary metals	8,282	8,310	8,272	-0.3	+0.5	+0.2	8,146	8,228	8,261	7,603	+7.1
Fabricated metal products	7,841	7,961	8,037	-1.5	-0.9	+0.1	7,578	7,867	8,045	7,567	+0.1
Industrial machinery and equipment	19,837	19,583	19,195	+1.3	+2.0	-0.8	18,849	20,038	19,770	17,462	+7.9
Electronic and other electrical equipment	17,730	17,342	17,054	+2.2	+1.7	+1.2	17,104	17,255	17,117	15,619	+9.5
Transportation equipment	40,584	41,080	41,144	-1.2	-0.2	-0.2	39,435	41,562	41,682	38,566	+2.3
Instruments and related products	9,647	9,563	9,369	+0.9	+2.1	+0.7	9,270	9,621	9,423	8,784	+5.5
Lumber, furniture and miscellaneous durable goods	4,971	5,059	5,083	-1.7	-0.5	+1.7	4,841	4,947	5,038	5,026	-3.7
Nondurable goods industries	24,700	24,751	24,767	-0.2	-0.1	-0.6	24,029	25,096	25,502	23,270	+3.3
Food and kindred products	4,217	4,227	4,274	-0.2	-1.1	+0.5	4,496	4,591	4,864	4,351	+3.3
Tobacco products	192	192	173	0.0	+11.0	-27.0	191	290	244	162	+17.9
Textile mill products	2,794	2,805	2,769	-0.4	+1.3	-0.2	2,662	2,773	2,750	2,405	+10.7
Paper and allied products	1,554	1,521	1,540	+2.2	-1.2	+1.7	1,522	1,468	1,484	1,207	+26.1
Chemicals and allied products	5,658	5,649	5,592	+0.2	+1.0	-0.6	5,539	5,674	5,624	5,275	+5.0
Petroleum and coal products	2,298	2,150	2,086	+6.9	+3.1	-3.6	2,140	2,145	2,129	2,202	-2.8
Rubber and plastics products	2,015	2,049	2,061	-1.7	-0.6	+1.2	1,996	2,095	2,093	1,923	+3.8
Apparel, printing and publishing and leather goods	5,972	6,158	6,272	-3.0	-1.8	-0.8	5,483	6,060	6,314	5,745	-4.6
FINISHED GOODS											
All manufacturing industries	144,963	144,215	144,725	+0.5	-0.4	+0.3	139,474	142,450	143,200	130,421	+6.9
Durable goods industries	72,181	72,197	72,471	0.0	-0.4	+0.5	69,130	71,177	71,057	64,966	+6.4
Stone, clay, and glass products	4,169	4,145	4,212	+0.6	-1.6	-1.4	4,046	3,980	4,038	3,820	+5.9
Primary metals	6,806	6,731	6,766	+1.1	-0.5	-1.3	6,619	6,571	6,642	6,439	+2.8
Fabricated metal products	8,582	8,542	8,456	+0.5	+1.0	-1.4	8,025	8,159	8,135	7,465	+7.5
Industrial machinery and equipment	15,732	15,871	15,435	-0.9	+2.8	-0.1	15,405	15,794	15,015	14,234	+8.2
Electronic and other electrical equipment	13,042	12,910	13,160	+1.0	-1.9	+2.1	12,255	12,717	13,091	10,282	+19.2
Transportation equipment	7,750	7,929	8,326	-2.3	-4.8	+2.9	7,312	8,205	8,402	7,882	-7.2
Instruments and related products	6,059	6,002	6,028	+0.9	-0.4	+0.9	5,901	6,134	6,123	5,691	+3.7
Lumber, furniture and miscellaneous durable goods	10,041	10,067	10,088	-0.3	-0.2	+1.0	9,567	9,617	9,611	9,153	+4.5
Nondurable goods industries	72,782	72,018	72,254	+1.1	-0.3	+0.1	70,344	71,273	72,143	65,455	+7.5
Food and kindred products	16,870	16,804	16,790	+0.4	+0.1	+0.6	16,588	17,526	17,696	16,580	0.0
Tobacco products	662	648	700	+2.2	-7.4	+3.6	673	707	816	797	-15.6
Textile mill products	4,675	4,660	4,655	+0.3	+0.1	+1.7	4,323	4,480	4,498	4,096	+5.5
Paper and allied products	7,088	6,850	6,804	+3.5	+0.7	+2.3	6,829	6,675	6,598	5,237	+30.4
Chemicals and allied products	18,623	18,347	18,678	+1.5	-1.8	-1.9	18,418	18,041	18,354	17,375	+6.0
Petroleum and coal products	5,372	5,130	5,174	+4.7	-0.9	-2.0	5,083	5,268	5,300	4,964	+2.4
Rubber and plastics products	6,903	6,938	6,965	-0.5	-0.4	+0.9	6,702	6,694	6,717	6,103	+9.8
Apparel, printing and publishing and leather goods	12,589	12,641	12,488	-0.4	+1.2	+1.2	11,728	11,882	12,164	10,303	+13.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1995[p]	Nov. 1995[r]	Oct. 1995	Sept. 1995	Dec. 1995[p]	Nov. 1995[r]	Oct. 1995	Sept. 1995
All manufacturing industries	1.36	1.37	1.38	1.37	2.73	2.75	2.78	2.74
Durable goods industries	1.58	1.60	1.60	1.58	3.28	3.31	3.34	3.30
Stone, clay, and glass products	1.11	1.13	1.16	1.18	1.12	1.15	1.15	1.18
Primary metals	1.48	1.48	1.47	1.47	1.94	1.92	1.88	1.86
Fabricated metal products	1.55	1.58	1.57	1.58	1.45	1.47	1.44	1.45
Industrial machinery and equipment	1.66	1.70	1.67	1.65	2.36	2.44	2.41	2.40
Electronic and other electrical equipment	1.67	1.68	1.72	1.67	1.93	1.99	2.08	1.98
Transportation equipment	1.49	1.51	1.55	1.49	10.96	10.83	11.46	11.00
Instruments and related products	1.94	1.93	1.97	1.95	3.89	3.87	3.97	3.94
Nondurable goods industries	1.10	1.11	1.11	1.12	0.64	0.67	0.66	0.67
Food and kindred products	0.84	0.84	0.84	0.85	(X)	(X)	(X)	(X)
Tobacco products	1.97	1.84	1.85	2.19	(X)	(X)	(X)	(X)
Textile mill products	1.73	1.72	1.72	1.66	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.20	1.19	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.17	1.17	1.17	1.19	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.84	0.86	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.38	1.41	1.41	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1995	Dec.[2] 1990-1994	Dec. 1994-Nov. 1995	Dec.[1] 1995	Dec.[2] 1990-1994	Dec. 1994-Nov. 1995	Dec.[1] 1995	Dec.[2] 1990-1994	Dec. 1994-Nov. 1995	Dec.[1] 1995	Dec.[2] 1990-1994	Dec. 1994-Nov. 1995
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	(X)	0.3	0.2	(X)	0.2	0.3	(X)	0.0	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.6	0.6	(X)	0.8	1.0	(X)	0.3	0.5	(X)	0.1	0.1
Primary metals	(X)	0.8	0.4	(X)	1.3	0.9	(X)	0.6	0.4	(X)	0.2	0.2
Fabricated metal products	(X)	0.7	0.3	(X)	0.5	0.6	(X)	0.2	0.3	(X)	0.3	0.2
Industrial machinery and equipment	(X)	0.4	0.3	(X)	0.6	0.6	(X)	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	(X)	0.3	0.4	(X)	0.8	0.6	(X)	0.4	0.3	(X)	0.1	0.1
Transportation equipment	(X)	0.4	0.4	(X)	0.3	0.8	(X)	0.0	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.5	0.2	(X)	1.6	0.8	(X)	0.2	0.2	(X)	0.2	0.1
Nondurable goods industries	(X)	0.3	0.1	(X)	0.3	0.2	(X)	0.4	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	1.0	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	(X)	0.4	0.3	(X)	0.6	0.5	(X)	0.1	0.1	(X)	0.1	0.1
Defense	(X)	1.5	0.4	(X)	2.9	2.4	(X)	0.1	0.1	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

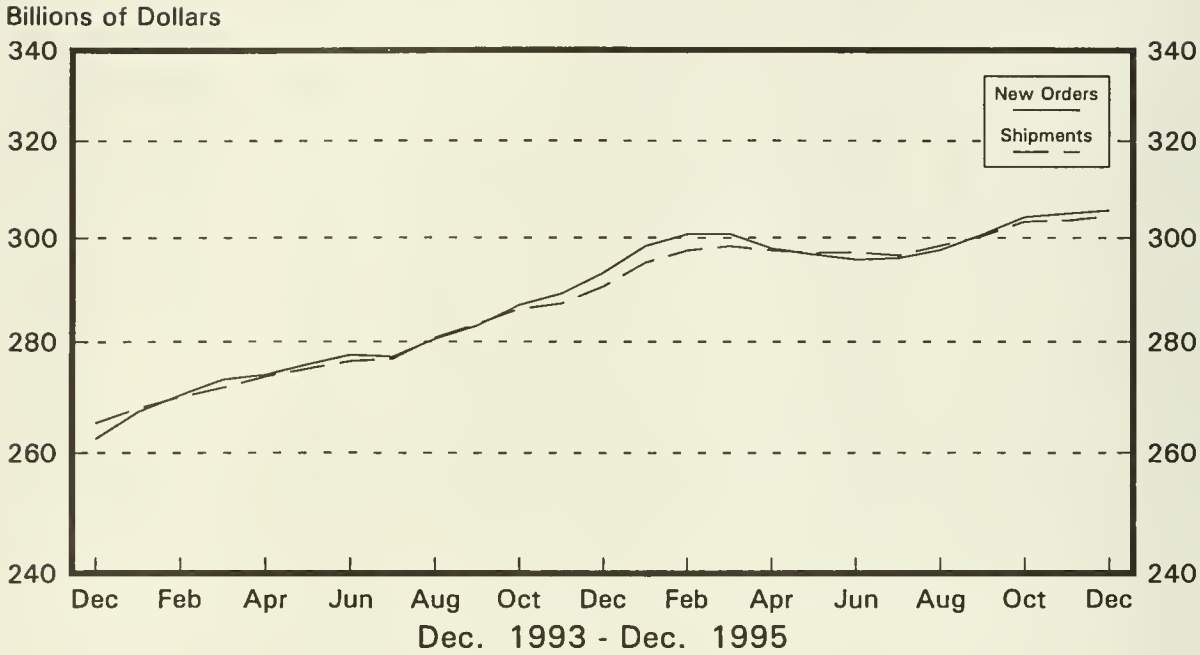
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

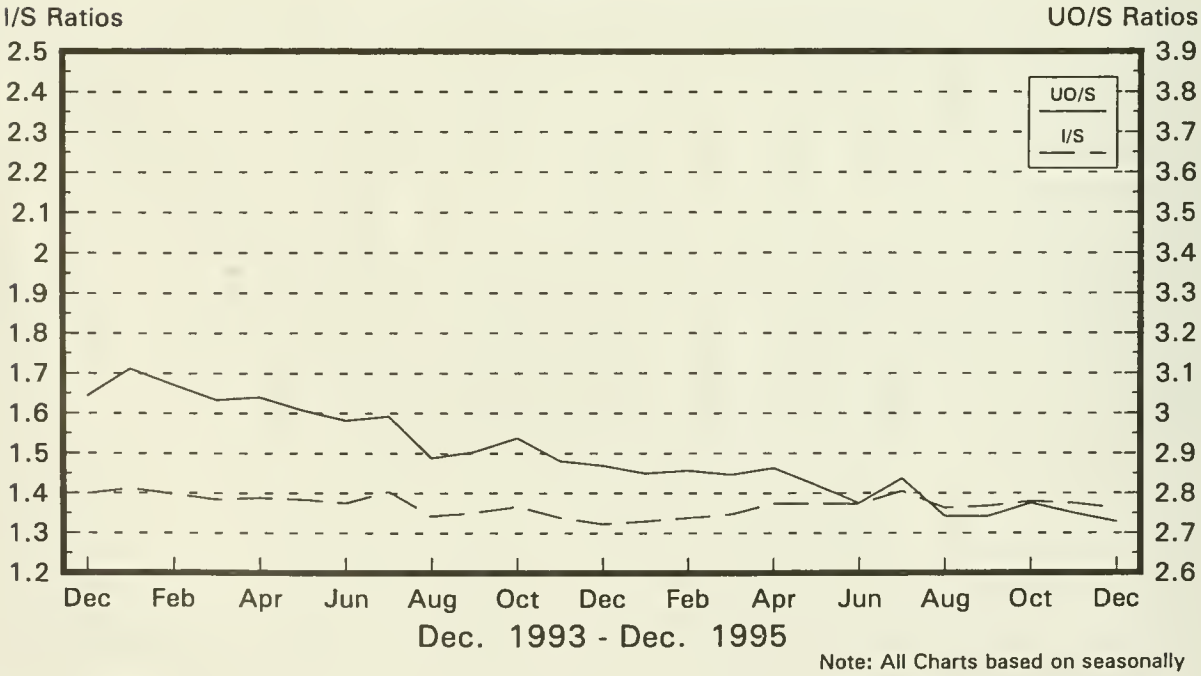
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

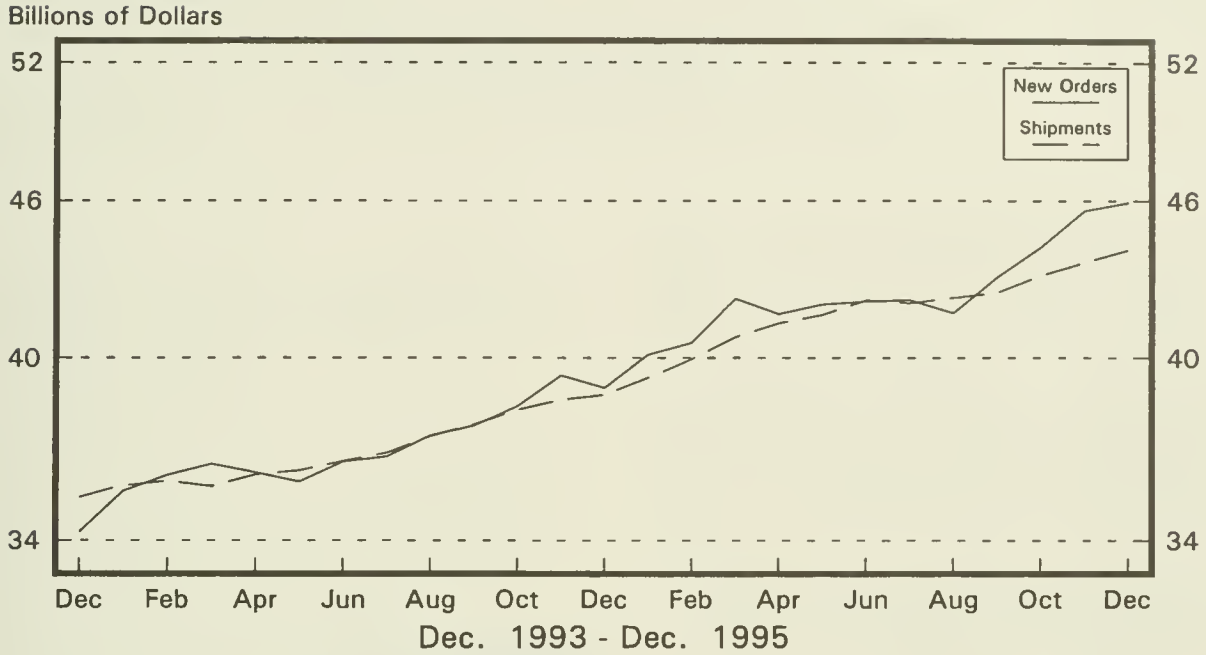
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

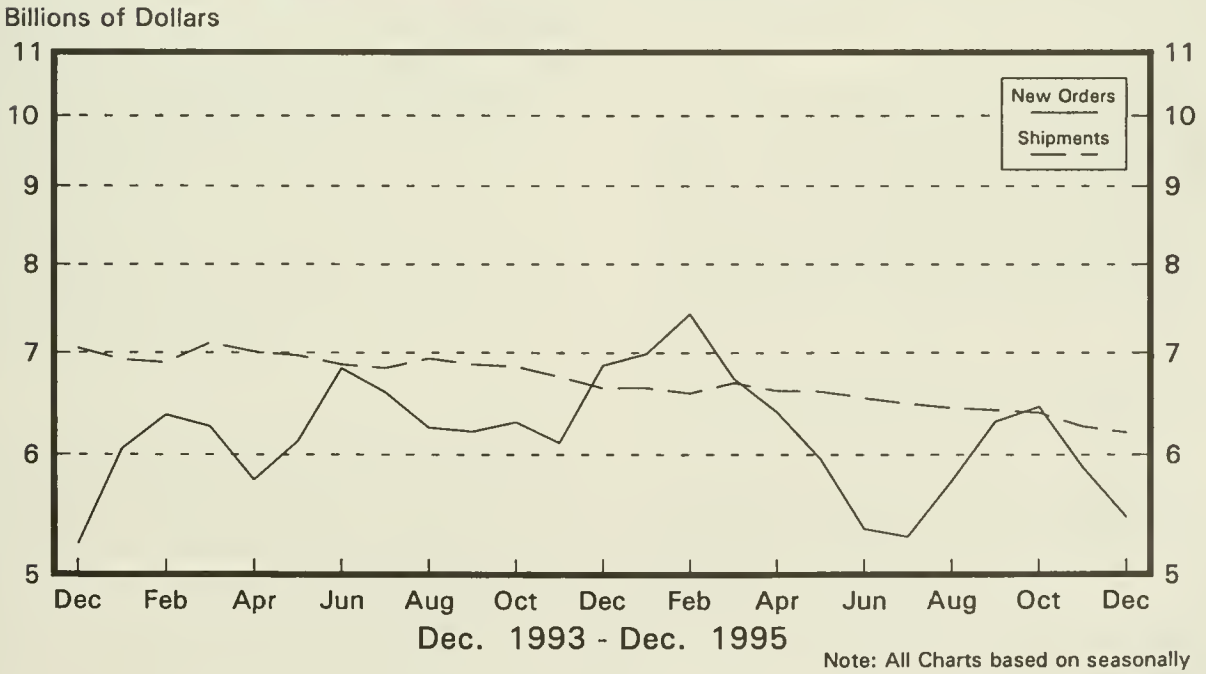
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

January 1996
M3-1-(96)-1
For Wire Transmissions 8:30 a.m. E.S.T. March 5, 1996

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January increased $1.6 billion or 0.5 percent to $311.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows an increase of 1.7 percent in December and declines of 0.1 percent and 0.6 percent in November and October, respectively.

Shipments, down for the first month since October, decreased $2.7 billion or 0.9 percent to $303.2 billion, following a 0.7 percent December increase.

Unfilled orders, up for the fifth consecutive month, increased $7.9 billion or 1.7 percent to $474.9 billion, following a 0.8 percent December increase. This is the largest increase since the 1.7 percent increase in December 1989. The unfilled orders-to-shipments ratio was 2.85, up from 2.75 in December.

Inventories increased $3.0 billion or 0.7 percent to $421.5 billion, the sixteenth consecutive monthly increase and the twenty-third in the last twenty-five months. The inventories-to-shipments ratio was 1.39, up from 1.37 in December.

New Orders

New orders for manufactured durable goods in January, up for the second consecutive month, increased $0.4 billion or 0.2 percent to $170.6 billion. This follows a 3.1 percent December increase.

Industrial machinery and equipment had the largest increase, $1.8 billion or 5.7 percent to $33.6 billion, following a 2.6 percent December decline. Fabricated metal products, up for the first month since September, increased $0.5 billion or 3.0 percent to $16.2 billion, following a 1.1 percent December decline. Electronic and other electrical equipment, up four of the last five months, increased $0.1 billion or 0.3 percent to $27.6 billion. This follows a 5.6 percent December increase. Transportation equipment, down for the first month since October, had the largest decline, $1.5 billion or 3.4 percent to $43.1 billion; large declines in aircraft and aircraft parts, and railroad and other equipment more than offset an increase in shipbuilding and tanks. Instruments and related products, down for the first month since September, decreased $0.5 billion or 4.0 percent to $11.8 billion.

New orders for nondurable goods increased $1.2 billion or 0.8 percent to $140.4 billion, following a 0.2 percent December increase. The largest increases were for food and kindred products, petroleum and coal products, and paper and allied products.

Shipments

Shipments of durable goods in January, down for the first month since October, decreased $3.0 billion or 1.8 percent to $163.0 billion. This follows increases of 0.6 percent in December and 0.5 percent in November.

Transportation equipment had the largest decline, $1.8 billion or 4.7 percent to $37.2 billion. This follows a slight December increase and a 1.8 percent November increase. Electronic and other electrical equipment decreased $1.4 billion or 4.8 percent to $26.9 billion. This follows increases of 1.7 percent in December and 1.6 percent in November. Instruments and related products, down for the first month since October, declined 0.9 percent or $0.1 billion to $11.8 billion. Fabricated metal products, up three of the last four months, increased $0.3 billion or 1.8 percent to $16.2 billion. Industrial machinery and equipment, increased $0.1 billion or 0.4 percent to $32.7 billion. This follows a 1.9 percent December increase.

Shipments of nondurable goods, up for the third consecutive month, increased $0.2 billion or 0.2 percent to $140.2 billion, following a 0.8 percent December increase. Food and kindred products, up for the eighth consecutive month, had the largest increase, $0.6 billion or 1.7 percent to $38.5 billion. Petroleum and coal products, up for the third consecutive month, increased $0.3 billion or 2.6 percent to $13.8 billion. Apparel and related products, and paper and allied products had the largest declines.

Unfilled Orders

Unfilled orders for durable goods in January increased $7.7 billion or 1.7 percent to $451.7 billion, following a 1.0 percent December increase. Like total manufacturing, this is the largest increase since December 1989 and the fifth consecutive monthly increase.

Transportation equipment had the largest increase, $6.0 billion or 2.9 percent to $211.6 billion; led by aircraft and aircraft parts, all component industries increased except motor vehicles and parts. This follows increases of 2.8 percent in December and 0.4 percent in November. Industrial machinery and equipment, up three of the last four months, increased $0.9 billion or 1.3 percent to $73.7 billion. This follows a 1.0 percent December decline. Electronic and other electrical equipment, up for the first month since October, increased $0.7 billion or 1.3 percent to $55.2 billion. This follows decreases of 1.4 percent in December and 3.0 percent in November.

Inventories

Inventories of durable goods in January, up for the sixteenth consecutive month, increased $2.4 billion or 0.9 percent to $266.3 billion, following a 0.2 percent December increase. Industrial machinery and equipment, up for the seventh consecutive month, had the largest increase $0.9 billion or 1.7 percent to $55.2 billion. Transportation equipment, up for the first month since October, increased $0.7 billion or 1.2 percent to $59.6 billion, following a 0.2 percent December decrease. Electronic and other electrical equipment, up thirty-six of the last thirty-nine months, increased $0.5 billion or 1.1 percent to $48.0 billion. This follows a 1.2 percent December increase. Instruments and related products, up for the eighth consecutive month, increased $0.2 billion or 0.8 percent to $23.1 billion.

Inventories of nondurable goods, up fourteen of the last sixteen months, increased $0.6 billion or 0.4 percent to $155.2 billion. This follows a 0.4 percent December increase. The largest increases were for printing and publishing, and petroleum and coal products.

By stage of fabrication, January finished goods increased 1.0 percent in durables and decreased slightly in nondurables. Work in process increased 1.0 percent in durables and 1.0 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 0.6 percent in nondurables.

NOTE: THERE WILL BE NO SEPARATE JANUARY ADVANCE DURABLE GOODS PUBLICATION.

The release date for the February advance report for durable goods will be announced at a later date. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95	1996[p]	1995
All manufacturing industries	303,166	305,907	303,726	-0.9	+0.7	+0.4	273,845	302,720	303,919	268,357	+2.0	273,845	268,357
Manufacturing Industries													
with unfilled orders	166,415	169,862	168,516	-2.0	+0.8	+1.0	147,788	174,305	169,681	144,004	+2.6	147,788	144,004
without defense capital goods	297,006	299,548	297,621	-0.8	+0.6	+0.5	268,813	295,058	297,634	262,815	+2.3	268,813	262,815
Durable goods industries	162,965	165,946	164,924	-1.8	+0.6	+0.5	144,403	167,609	164,969	142,687	+1.2	144,403	142,687
With unfilled orders	131,296	134,195	132,953	-2.2	+0.9	+1.1	115,450	139,447	133,270	112,410	+2.7	115,450	112,410
Stone, clay, and glass products	7,526	7,399	7,352	+1.7	+0.6	+1.1	6,424	6,439	7,371	6,068	+5.9	6,424	6,068
Primary metals	14,491	14,590	14,740	-0.7	-1.0	-1.0	13,760	13,517	14,474	14,503	-5.1	13,760	14,503
Blast furnaces, steel mills	6,127	6,103	6,212	+0.4	-1.8	-2.1	5,919	5,608	6,051	6,113	-3.2	5,919	6,113
Iron and steel foundries	1,313	1,320	1,281	-0.5	+3.0	+0.6	1,241	1,111	1,274	1,288	-3.6	1,241	1,288
Nonferrous and other primary metals	7,051	7,167	7,247	-1.6	-1.1	-0.3	6,600	6,798	7,149	7,102	-7.1	6,600	7,102
Fabricated metal products	16,218	15,935	15,804	+1.8	+0.8	-1.2	14,860	14,922	15,722	14,715	+1.0	14,860	14,715
Industrial machinery and equipment	32,660	32,536	31,926	+0.4	+1.9	-0.1	27,440	35,784	30,948	24,628	+11.4	27,440	24,628
Engines and turbines	1,863	1,739	1,776	+7.1	-2.1	-5.1	1,520	2,314	1,730	1,563	-2.8	1,520	1,563
Farm and garden machinery	1,938	1,817	1,840	+6.7	-1.3	+6.2	1,767	1,455	1,522	1,656	+6.7	1,767	1,656
Construction, mining and material handling equipment	3,390	3,660	3,371	-7.4	+8.6	+2.8	3,068	3,539	3,161	2,816	+8.9	3,068	2,816
Metalworking machinery	3,367	3,367	3,447	0.0	-2.3	-8.4	2,771	3,639	3,718	2,736	+1.3	2,771	2,736
Computer and office equipment	9,411	9,236	9,235	+1.9	0.0	-0.2	7,011	12,534	9,193	5,694	+23.1	7,011	5,694
Electronic and other electrical equipment	26,932	28,300	27,835	-4.8	+1.7	+1.6	23,576	30,776	28,589	21,604	+9.1	23,576	21,604
Electrical transmission and distribution equipment and industrial apparatus	2,840	2,919	2,892	-2.7	+0.9	+3.4	2,482	2,894	2,766	2,444	+1.6	2,482	2,444
Household appliances	1,920	1,922	1,967	-0.1	-2.3	-1.3	1,624	1,742	1,933	1,632	-0.5	1,624	1,632
Electric lighting and wiring equipment	1,934	1,936	1,908	-0.1	+1.5	0.0	1,729	1,993	2,008	1,722	+0.4	1,729	1,722
Household audio and video equipment	1,108	1,203	1,257	-7.9	-4.3	+3.0	906	1,147	1,625	914	-0.9	906	914
Communications equipment	6,309	7,064	6,615	-10.7	+6.8	+0.9	5,120	9,567	6,579	4,730	+8.2	5,120	4,730
Electronic components	10,670	11,052	11,039	-3.5	+0.1	+2.5	9,848	11,141	11,107	8,241	+19.5	9,848	8,241
Transportation equipment	37,152	38,966	38,965	-4.7	0.0	+1.8	33,436	38,079	39,254	35,844	-6.7	33,436	35,844
Motor vehicles and parts	27,409	27,513	27,388	-0.4	+0.5	-1.3	25,666	24,522	27,931	26,489	-3.1	25,666	26,48[illegible]
Aircraft, missiles, space vehicles, and parts	7,151	8,310	8,579	-13.9	-3.1	+7.9	5,495	10,522	8,471	6,753	-18.6	5,495	6,75[illegible]
Shipbuilding and tanks	788	811	804	-2.8	+0.9	+4.3	656	961	771	780	-15.9	656	78[illegible]
Instruments and related products	11,779	11,891	11,797	-0.9	+0.8	+2.7	10,431	12,929	11,955	10,140	+2.9	10,431	10,14[illegible]
Search and navigation equipment	2,426	2,430	2,424	-0.2	+0.2	-2.0	2,049	2,796	2,530	2,206	-7.1	2,049	2,20[illegible]
Measuring and controlling devices	3,887	4,163	3,876	-6.6	+7.4	+4.7	3,541	4,471	3,793	3,167	+11.8	3,541	3,16[illegible]
Medical instruments and supplies	3,106	3,204	3,113	-3.1	+2.9	+2.0	2,870	3,494	3,090	2,878	-0.3	2,870	2,87[illegible]
Photographic goods	1,938	1,671	1,961	+16.0	-14.8	+6.1	1,599	1,769	2,126	1,535	+4.2	1,599	1,53[illegible]
All other durable goods	16,207	16,329	16,505	-0.7	-1.1	-1.7	14,476	15,163	16,656	15,185	-4.7	14,476	15,18[illegible]
Nondurable goods industries	140,201	139,961	138,802	+0.2	+0.8	+0.3	129,442	135,111	138,950	125,670	+3.0	129,442	125,67[illegible]
With unfilled orders	35,119	35,667	35,563	-1.5	+0.3	+0.5	32,338	34,858	36,411	31,594	+2.4	32,338	31,59[illegible]
Food and kindred products	38,487	37,850	37,760	+1.7	+0.2	+0.8	35,501	37,969	38,232	33,293	+6.6	35,501	33,29[illegible]
Meat products	8,791	8,899	8,914	-1.2	-0.2	+2.5	8,237	8,799	8,797	7,564	+8.9	8,237	7,56[illegible]
Dairy products	4,964	4,960	4,930	+0.1	+0.6	+2.0	4,696	4,859	5,058	4,499	+4.4	4,696	4,49[illegible]
Beverages	5,670	5,509	5,431	+2.9	+1.4	-2.0	4,865	5,172	5,170	4,474	+8.7	4,865	4,47[illegible]
All other foods, except fats and oils	16,988	16,425	16,247	+3.4	+1.1	-0.5	15,629	17,082	16,969	14,802	+5.6	15,629	14,80[illegible]
Tobacco products	3,044	2,835	3,008	+7.4	-5.8	-0.2	2,648	2,991	3,162	2,475	+7.0	2,648	2,47[illegible]
Textile mill products	5,933	6,053	6,104	-2.0	-0.8	+0.6	5,064	5,498	6,177	5,525	-8.3	5,064	5,52[illegible]
Broadwoven fabrics and other textiles	3,674	3,703	3,754	-0.8	-1.4	-0.3	3,218	3,487	3,711	3,526	-8.7	3,218	3,52[illegible]
Paper and allied products	13,482	13,754	13,922	-2.0	-1.2	-0.5	12,883	13,275	13,724	12,623	+2.1	12,883	12,62[illegible]
Pulp, paper, and paperboard mill products	5,494	5,763	5,831	-4.7	-1.2	-3.1	5,241	5,635	5,791	5,341	-1.9	5,241	5,34[illegible]
Paperboard containers and boxes	3,764	3,710	3,806	+1.5	-2.5	-0.1	3,591	3,424	3,699	3,394	+5.8	3,591	3,39[illegible]
Miscellaneous converted paper products	4,224	4,281	4,285	-1.3	-0.1	+2.7	4,051	4,216	4,234	3,888	+4.2	4,051	3,88[illegible]
Chemicals and allied products	30,783	30,790	30,563	0.0	+0.7	-0.9	29,335	29,606	29,252	28,931	+1.4	29,335	28,93[illegible]
Industrial chemicals	15,967	16,162	16,157	-1.2	0.0	-0.3	15,201	15,036	15,551	16,035	-5.2	15,201	16,03[illegible]
Drugs, soaps, and toiletries	11,141	11,014	10,761	+1.2	+2.4	-0.7	10,940	11,557	10,684	9,922	+10.3	10,940	9,92[illegible]
Petroleum and coal products	13,756	13,407	12,620	+2.6	+6.2	+3.5	12,382	12,957	12,872	11,327	+9.3	12,382	11,32[illegible]
Rubber and plastics products	9,984	10,017	9,963	-0.3	+0.5	-0.4	9,382	9,050	9,513	9,476	-1.0	9,382	9,47[illegible]
All other nondurable goods	24,732	25,255	24,862	-2.1	+1.6	+0.5	22,247	23,765	26,018	22,020	+1.0	22,247	22,02[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95	1996[p]	1995
All manufacturing industries	311,052	309,467	304,146	+0.5	+1.7	-0.1	288,088	306,722	303,118	277,672	+3.8	288,088	277,672
nufacturing industries													
ith unfilled orders	174,301	173,422	168,936	+0.5	+2.7	+0.1	162,031	178,307	168,880	153,319	+5.7	162,031	153,319
ithout defense capital goods	303,602	302,303	298,904	+0.4	+1.1	0.0	281,477	296,524	298,113	272,435	+3.3	281,477	272,435
rable goods industries	170,636	170,234	165,165	+0.2	+3.1	-0.8	158,009	172,354	164,347	151,168	+4.5	158,009	151,168
/ith unfilled orders	138,967	138,483	133,194	+0.3	+4.0	-0.5	129,056	144,192	132,648	120,891	+6.8	129,056	120,891
ne, clay, and glass products	7,562	7,434	7,383	+1.7	+0.7	+2.3	6,591	6,345	7,334	6,468	+1.9	6,591	6,468
mary metals	14,620	14,800	15,094	-1.2	-1.9	-0.1	15,337	14,430	14,771	16,196	-5.3	15,337	16,196
Blast furnaces, steel mills	6,238	6,418	6,524	-2.8	-1.6	-1.6	6,858	6,030	6,301	7,096	-3.4	6,858	7,096
ron and steel foundries	1,363	1,270	1,273	+7.3	-0.2	-0.5	1,481	1,022	1,257	1,414	+4.7	1,481	1,414
Nonferrous and other primary metals	7,019	7,112	7,297	-1.3	-2.5	+1.3	6,998	7,378	7,213	7,686	-9.0	6,998	7,686
ricated metal products	16,158	15,687	15,867	+3.0	-1.1	-0.3	15,029	14,937	15,523	15,157	-0.8	15,029	15,157
ustrial machinery and equipment	33,591	31,767	32,624	+5.7	-2.6	+2.0	29,558	34,251	32,415	27,248	+8.5	29,558	27,248
ngines and turbines	1,991	1,539	2,237	+29.4	-31.2	+25.5	1,509	2,077	2,304	1,450	+4.1	1,509	1,450
Construction, mining and material handling equipment	3,374	3,765	3,447	-10.4	+9.2	-2.1	3,319	3,694	3,245	3,404	-2.5	3,319	3,404
Metalworking machinery	3,575	2,895	2,965	+23.5	-2.4	-15.6	2,979	3,167	3,236	3,155	-5.6	2,979	3,155
Computer and office equipment	9,314	9,032	9,333	+3.1	-3.2	+0.1	6,787	11,381	9,642	5,781	+17.4	6,787	5,781
ctronic and other ectrical equipment	27,637	27,549	26,099	+0.3	+5.6	-12.1	26,178	29,170	26,550	24,387	+7.3	26,178	24,387
lectrical transmission and distribution equipment and ndustrial apparatus	2,798	2,847	2,772	-1.7	+2.7	-7.3	2,494	2,757	2,664	2,696	-7.5	2,494	2,696
lectric lighting and wiring equipment	2,064	2,046	1,827	+0.9	+12.0	-1.7	1,859	2,103	1,927	1,864	-0.3	1,859	1,864
ommunications equipment	6,895	6,517	6,629	+5.8	-1.7	-2.3	5,680	9,024	6,540	5,157	+10.1	5,680	5,157
lectronic components	10,365	10,654	9,852	-2.7	+8.1	-23.8	11,031	10,144	9,747	10,045	+9.8	11,031	10,045
sportation equipment	43,135	44,631	39,746	-3.4	+12.3	+4.6	39,946	44,811	39,834	35,592	+12.2	39,946	35,592
Aircraft, missiles, space vehicles, and parts	12,391	14,056	9,719	-11.8	+44.6	+15.8	11,017	17,253	9,530	5,627	+95.8	11,017	5,627
hipbuilding and tanks	1,469	785	606	+87.1	+29.5	+132.2	1,383	847	481	1,490	-7.2	1,383	1,490
uments and related products	11,750	12,238	11,820	-4.0	+3.5	+0.6	10,440	14,028	11,649	10,394	+0.4	10,440	10,394
earch and navigation equipment	2,274	2,809	2,417	-19.0	+16.2	+10.7	1,930	3,917	2,240	2,039	-5.3	1,930	2,039
easuring and controlling devices	3,998	4,187	3,909	-4.5	+7.1	+2.1	3,652	4,495	3,826	3,518	+3.8	3,652	3,518
edical instruments and supplies	3,201	3,156	3,116	+1.4	+1.3	-9.4	2,965	3,446	3,093	2,903	+2.1	2,965	2,903
other durable goods	16,183	16,128	16,532	+0.3	-2.4	-1.7	14,930	14,382	16,271	15,726	-5.1	14,930	15,726
durable goods industries	140,416	139,233	138,981	+0.8	+0.2	+0.8	130,079	134,368	138,771	126,504	+2.8	130,079	126,504
ith unfilled orders	35,334	34,939	35,742	+1.1	-2.2	+2.3	32,975	34,115	36,232	32,428	+1.7	32,975	32,428

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

1) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ase from the prior month to the current month.

lote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, h includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ls on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), nufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95
All manufacturing industries	474,931	467,045	463,485	+1.7	+0.8	+0.1	475,600	461,357	457,355	461,083	+3.1
Manufacturing industries without defense capital goods	365,820	359,224	356,469	+1.8	+0.8	+0.4	365,736	353,072	351,606	348,283	+5.0
Durable goods industries	451,749	444,078	439,790	+1.7	+1.0	+0.1	453,065	439,459	434,714	435,929	+3.9
Stone, clay, and glass products	8,039	8,003	7,968	+0.4	+0.4	+0.4	7,807	7,640	7,734	7,914	-1.4
Primary metals	28,667	28,538	28,328	+0.5	+0.7	+1.3	29,059	27,482	26,569	29,552	-1.7
Blast furnaces, steel mills	12,545	12,434	12,119	+0.9	+2.6	+2.6	12,608	11,669	11,247	11,634	+8.4
Iron and steel foundries	3,699	3,649	3,699	+1.4	-1.4	-0.2	3,780	3,540	3,629	3,813	-0.9
Nonferrous and other primary metals	12,423	12,455	12,510	-0.3	-0.4	+0.4	12,671	12,273	11,693	14,105	-10.2
Fabricated metal products	20,921	20,981	21,229	-0.3	-1.2	+0.3	20,860	20,691	20,676	20,934	-0.4
Industrial machinery and equipment	73,688	72,757	73,526	+1.3	-1.0	+1.0	74,520	72,402	73,935	69,816	+6.7
Engines and turbines	10,562	10,434	10,634	+1.2	-1.9	+4.5	10,848	10,859	11,096	10,511	+3.2
Construction, mining and material handling equipment	8,531	8,547	8,442	-0.2	+1.2	+0.9	8,710	8,459	8,304	7,587	+14.8
Metalworking machinery	9,758	9,550	10,022	+2.2	-4.7	-4.6	9,758	9,550	10,022	9,996	-2.4
Computer and office equipment	11,578	11,675	11,879	-0.8	-1.7	+0.8	10,999	11,223	12,376	11,287	-2.6
Electronic and other electrical equipment	55,208	54,503	55,254	+1.3	-1.4	-3.0	55,362	52,760	54,366	48,915	+13.2
Electrical transmission and distribution equipment and industrial apparatus	5,687	5,729	5,801	-0.7	-1.2	-2.0	5,691	5,679	5,816	5,998	-5.1
Electric lighting and wiring equipment	3,973	3,843	3,733	+3.4	+2.9	-2.1	3,973	3,843	3,733	3,785	+5.0
Communications equipment	17,848	17,262	17,809	+3.4	-3.1	+0.1	17,817	17,257	17,800	15,431	+15.5
Electronic components	22,751	23,056	23,454	-1.3	-1.7	-4.8	22,751	21,568	22,565	17,736	+28.3
Transportation equipment	211,642	205,659	199,994	+2.9	+2.8	+0.4	211,979	205,469	198,737	202,922	+4.5
Aircraft, missiles, space vehicles, and parts	182,146	176,906	171,160	+3.0	+3.4	+0.7	182,451	176,929	170,198	169,766	+7.5
Shipbuilding and tanks	17,062	16,381	16,407	+4.2	-0.2	-1.2	16,981	16,254	16,368	19,649	-13.6
Instruments and related products	45,919	45,948	45,601	-0.1	+0.8	+0.1	46,377	46,368	45,269	48,272	-3.9
Search and navigation equipment	28,889	29,041	28,662	-0.5	+1.3	0.0	29,368	29,487	28,366	31,540	-6.9
Measuring and controlling devices	10,217	10,106	10,082	+1.1	+0.2	+0.3	10,217	10,106	10,082	9,600	+6.4
Medical instruments and supplies	6,038	5,943	5,991	+1.6	-0.8	+0.1	6,038	5,943	5,991	6,317	-4.4
All other durable goods	7,665	7,689	7,890	-0.3	-2.5	+0.3	7,101	6,647	7,428	7,604	-6.6
Nondurable goods industries	23,182	22,967	23,695	+0.9	-3.1	+0.8	22,535	21,898	22,641	25,154	-10.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95
ll manufacturing industries	421,504	418,527	417,586	+0.7	+0.2	0.0	419,165	408,504	416,838	394,792	+6.2
nufacturing industries											
th unfilled orders	284,427	281,899	281,141	+0.9	+0.3	+0.1	281,462	273,212	280,250	261,106	+7.8
thout defense capital goods	400,689	397,648	396,707	+0.8	+0.2	+0.1	398,931	388,512	395,891	372,755	+7.0
rable goods industries	266,270	263,916	263,517	+0.9	+0.2	+0.1	264,823	256,895	263,591	248,914	+6.4
ith unfilled orders	244,543	242,239	241,526	+1.0	+0.3	+0.1	242,493	235,175	241,423	226,981	+6.8
ne, clay, and glass products	8,242	8,234	8,326	+0.1	-1.1	-1.1	8,195	8,018	8,033	7,765	+5.5
nary metals	21,944	21,853	21,823	+0.4	+0.1	0.0	21,943	21,732	21,704	21,137	+3.8
last furnaces, steel mills	10,649	10,541	10,401	+1.0	+1.3	-0.2	10,798	10,674	10,458	10,079	+7.1
ron and steel foundries	1,656	1,651	1,632	+0.3	+1.2	-0.9	1,651	1,627	1,590	1,602	+3.1
onferrous and other primary metals	9,639	9,661	9,790	-0.2	-1.3	+0.4	9,494	9,431	9,656	9,456	+0.4
bricated metal products	24,705	24,770	24,980	-0.3	-0.8	-0.5	24,535	24,166	24,480	24,353	+0.7
ustrial machinery and equipment	55,216	54,314	54,124	+1.7	+0.4	+1.5	55,175	52,565	54,786	50,676	+8.9
ngines and turbines	3,741	3,771	3,734	-0.8	+1.0	-0.1	3,529	3,488	3,874	3,614	-2.4
arm and garden machinery	2,717	2,695	2,713	+0.8	-0.7	+5.0	3,016	2,891	2,824	3,101	-2.7
onstruction, mining and material handling equipment	6,556	6,518	6,520	+0.6	0.0	-0.2	6,563	6,330	6,463	6,234	+5.3
etalworking machinery	6,645	6,401	6,381	+3.8	+0.3	+0.5	6,552	6,097	6,364	5,735	+14.2
omputer and office equipment	12,918	12,557	12,492	+2.9	+0.5	+3.0	12,905	11,893	12,999	11,465	+12.6
ctronic and other ectrical equipment	47,954	47,412	46,838	+1.1	+1.2	-0.5	47,482	45,652	46,360	40,849	+16.2
lectrical transmission and listribution equipment and ndustrial apparatus	4,644	4,874	4,902	-4.7	-0.6	-0.6	4,568	4,718	4,910	4,715	-3.1
lousehold appliances	2,700	2,719	2,718	-0.7	0.0	-0.5	2,684	2,496	2,573	2,830	-5.2
lectric lighting and wiring equipment	3,291	3,290	3,319	0.0	-0.9	-0.2	3,196	3,109	3,290	3,060	+4.4
ousehold audio and ideo equipment	1,823	1,695	1,667	+7.6	+1.7	-0.6	1,730	1,568	1,568	1,287	+34.4
ommunications equipment	15,876	15,667	15,510	+1.3	+1.0	-2.2	15,774	15,002	15,245	12,888	+22.4
lectronic components	15,709	15,327	14,897	+2.5	+2.9	+1.0	15,725	15,085	15,037	12,604	+24.8
nsportation equipment	59,561	58,841	58,952	+1.2	-0.2	-0.7	59,194	57,248	59,827	58,234	+1.6
lotor vehicles and parts	12,150	11,932	11,961	+1.8	-0.2	-0.4	12,286	11,739	12,200	12,270	+0.1
ircraft, missiles, space vehicles, and parts	42,674	42,228	42,098	+1.1	+0.3	-0.7	42,120	40,907	42,739	41,461	+1.6
hipbuilding and tanks	1,678	1,695	1,710	-1.0	-0.9	+1.9	1,661	1,624	1,695	1,508	+10.1
uments and related products	23,075	22,896	22,782	+0.8	+0.5	+0.7	22,508	22,223	22,972	21,279	+5.8
earch and navigation equipment	5,751	5,698	5,603	+0.9	+1.7	+3.0	5,555	5,563	5,615	5,333	+4.2
leasuring and controlling devices	7,479	7,417	7,429	+0.8	-0.2	+0.9	7,374	7,221	7,479	6,695	+10.1
edical instruments and supplies	6,470	6,369	6,315	+1.6	+0.9	-0.6	6,347	6,230	6,413	5,986	+6.0
notographic goods	2,526	2,544	2,564	-0.7	-0.8	-1.1	2,397	2,340	2,587	2,401	-0.2
other durable goods	25,573	25,596	25,692	-0.1	-0.4	+0.5	25,791	25,291	25,429	24,621	+4.8
durable goods industries	155,234	154,611	154,069	+0.4	+0.4	0.0	154,342	151,609	153,247	145,878	+5.8
ith unfilled orders	39,884	39,660	39,615	+0.6	+0.1	+0.3	38,969	38,037	38,827	34,125	+14.2
l and kindred products	31,546	31,594	31,541	-0.2	+0.2	0.0	32,062	31,857	32,964	31,688	+1.2
eat products	4,053	4,002	3,893	+1.3	+2.8	+1.2	4,004	3,777	3,876	3,384	+18.3
airy products	2,774	2,787	2,686	-0.5	+3.8	+0.6	2,727	2,643	2,604	2,709	+0.7
everages	5,339	5,351	5,403	-0.2	-1.0	-0.2	5,318	5,313	5,474	5,270	+0.9
ll other foods, except fats and oils	17,422	17,514	17,644	-0.5	-0.7	-0.6	17,875	18,062	18,964	18,584	-3.8
acco products	5,584	5,570	5,526	+0.3	+0.8	-0.7	5,997	5,834	5,535	6,013	-0.3
ile mill products	10,402	10,456	10,501	-0.5	-0.4	+0.5	10,311	9,932	10,196	9,811	+5.1
oadwoven fabrics and other textiles	5,761	5,796	5,827	-0.6	-0.5	0.0	5,761	5,553	5,740	5,526	+4.3
r and allied products	16,927	16,827	16,672	+0.6	+0.9	+0.3	16,815	16,537	16,373	13,916	+20.8
lp, paper, and paperboard mill products	7,132	7,043	6,954	+1.3	+1.3	+2.4	7,146	6,964	6,854	5,477	+30.5
perboard containers and boxes	4,421	4,451	4,524	-0.7	-1.6	-0.6	4,359	4,399	4,401	3,677	+18.5
iscellaneous converted paper products	5,374	5,333	5,194	+0.8	+2.7	-1.7	5,310	5,174	5,118	4,762	+11.5
nicals and allied products	35,985	35,924	35,721	+0.2	+0.6	-0.6	35,924	35,619	35,386	34,523	+4.1
dustrial chemicals	17,774	17,893	18,009	-0.7	-0.6	-0.5	17,934	17,974	17,776	17,154	+4.5
ugs, soaps, and toiletries	13,449	13,311	12,993	+1.0	+2.4	-1.5	13,019	12,899	12,969	12,601	+3.3
leum and coal products	11,368	11,195	10,661	+1.5	+5.0	+1.3	10,938	10,625	10,698	10,517	+4.0
er and plastics products	13,979	13,913	14,075	+0.5	-1.2	-0.5	13,992	13,708	13,820	13,492	+3.7
other nondurable goods	29,443	29,132	29,372	+1.1	-0.8	+0.2	28,303	27,497	28,275	25,918	+9.2

Preliminary. [r] Revised.

ee note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1996[p]	Dec. 1995[r]	Nov 1995	Dec.-Jan	Nov - Dec.	Oct - Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	303,166	305,907	303,726	-0.9	+0.7	+0.4	273,845	302,720	303,919	268,357	+2.0	273,845	268,357
Market categories :													
Automotive equipment	14,270	14,357	14,303	-0.6	+0.4	-0.9	13,190	12,758	14,530	13,494	-2.3	13,190	13,494
Home goods and apparel	19,138	19,747	19,719	-3.1	+0.1	+0.2	16,496	17,191	20,721	17,139	-3.8	16,496	17,139
Consumer staples	64,200	63,070	62,195	+1.8	+1.4	+0.7	59,582	63,781	63,000	55,369	+7.6	59,582	55,369
Machinery and equipment	54,753	56,635	56,169	-3.3	+0.8	+1.8	46,454	62,480	55,566	44,799	+3.7	46,454	44,799
Business supplies	23,011	23,097	22,862	-0.4	+1.0	+1.3	21,088	22,544	23,298	20,397	+3.4	21,088	20,397
Construction materials and supplies	18,581	18,432	18,516	+0.8	-0.5	-1.8	16,251	16,750	18,364	16,619	-2.2	16,251	16,619
Defense products	6,669	6,908	6,555	-3.5	+5.4	-2.7	5,597	7,998	6,617	6,133	-8.7	5,597	6,133
Other materials, supplies and and intermediate products	102,544	103,661	103,407	-1.1	+0.2	+0.2	95,187	99,218	101,823	94,407	+0.8	95,187	94,407
Durable goods industries													
Nondefense capital goods [3]	42,353	44,699	44,023	-5.2	+1.5	+2.4	34,667	52,533	43,044	33,016	+5.0	34,667	33,016
Excluding aircraft and parts	38,296	39,733	38,600	-3.6	+2.9	+0.7	31,635	46,106	37,803	29,134	+8.6	31,635	29,134
Defense capital goods [4]	6,160	6,359	6,105	-3.1	+4.2	-2.9	5,032	7,662	6,285	5,542	-9.2	5,032	5,542
Durables excluding capital goods	114,452	114,888	114,796	-0.4	+0.1	0.0	104,704	107,414	115,640	104,129	+0.6	104,704	104,129
Miscellaneous series													
Producers' durable equipment	104,617	106,517	105,747	-1.8	+0.7	+1.1	92,108	109,517	106,003	90,229	+2.1	92,108	90,229
Household durable goods	8,598	8,720	8,779	-1.4	-0.7	+0.9	7,444	8,117	9,473	7,328	+1.6	7,444	7,328
Information technology industries	21,755	22,368	21,921	-2.7	+2.0	+1.5	17,445	28,491	21,921	15,347	+13.7	17,445	15,347
Health care equipment and products	9,147	9,178	8,953	-0.3	+2.5	+0.2	8,797	9,745	8,884	8,265	+6.4	8,797	8,265
NEW ORDERS													
All manufacturing industries	311,052	309,467	304,146	+0.5	+1.7	-0.1	288,088	306,722	303,118	277,672	+3.8	288,088	277,672
Market categories													
Automotive equipment	14,322	14,340	14,227	-0.1	+0.8	-1.0	13,303	12,753	14,441	13,553	-1.8	13,303	13,552
Home goods and apparel	19,132	19,640	19,934	-2.6	-1.5	+2.1	17,499	16,753	20,127	18,502	-5.4	17,499	18,502
Consumer staples	64,244	62,993	62,202	+2.0	+1.3	+0.7	59,588	63,728	63,012	55,372	+7.6	59,588	55,372
Machinery and equipment	60,457	60,892	57,965	-0.7	+5.0	+1.7	53,514	65,898	57,841	47,348	+13.0	53,514	47,348
Business supplies	23,082	22,953	23,001	+0.6	-0.2	+2.0	21,201	22,423	23,382	20,543	+3.2	21,201	20,543
Construction materials and supplies	18,677	18,396	18,432	+1.5	-0.2	-2.0	16,512	16,715	18,203	17,148	-3.7	16,512	17,148
Defense products	7,853	7,787	5,715	+0.8	+36.3	-2.2	6,920	10,797	5,426	5,871	+17.9	6,920	5,871
Other materials, supplies and and intermediate products	103,285	102,466	102,670	+0.8	-0.2	-1.8	99,551	97,655	100,686	99,335	+0.2	99,551	99,335
Durable goods industries													
Nondefense capital goods [3]	48,469	48,700	46,067	-0.5	+5.7	+5.3	42,096	55,628	45,796	35,951	+17.1	42,096	35,951
Excluding aircraft and parts	39,902	38,627	38,978	+3.3	-0.9	+0.7	34,554	44,094	38,889	32,662	+5.8	34,554	32,662
Defense capital goods [4]	7,450	7,164	5,242	+4.0	+36.7	-3.1	6,611	10,198	5,005	5,237	+26.2	6,611	5,237
Durables excluding capital goods	114,717	114,370	113,856	+0.3	+0.5	-3.0	109,302	106,528	113,546	109,980	-0.6	109,302	109,980
Miscellaneous series													
Producers' durable equipment	109,982	110,822	107,414	-0.8	+3.2	+0.2	100,036	112,526	107,520	94,500	+5.9	100,036	94,500
Household durable goods	8,553	8,669	8,868	-1.3	-2.2	+2.3	8,115	7,716	9,089	7,987	+1.6	8,115	7,987
Information technology industries	22,347	21,864	22,041	+2.2	-0.8	-0.2	17,898	27,039	22,377	16,173	+10.7	17,898	16,17[illegible]
Health care equipment and products	9,242	9,128	8,955	+1.2	+1.9	-3.9	8,892	9,695	8,887	8,290	+7.3	8,892	8,290

[p] Preliminary [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories; steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and m handling equipment; metalworking machinery, special industry machinery, general industrial machinery; computer and office equipment, refrigeration, heating and industry machinery, electrical transmission and distribution equipment; electrical industrial apparatus, communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components, railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include ordnance and accessories, communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95
UNFILLED ORDERS											
All manufacturing industries	474,931	467,045	463,485	+1.7	+0.8	+0.1	475,600	461,357	457,355	461,083	+3.1
Market categories :											
Automotive equipment	1,943	1,891	1,909	+2.7	-0.9	-3.8	1,976	1,862	1,868	2,205	-10.4
Home goods and apparel	9,469	9,476	9,582	-0.1	-1.1	+2.3	9,010	8,007	8,445	9,691	-7.0
Consumer staples	1,781	1,737	1,814	+2.5	-4.2	+0.4	1,779	1,772	1,825	1,634	+8.9
Machinery and equipment	200,258	194,554	190,297	+2.9	+2.2	+1.0	200,622	193,563	190,145	183,382	+9.4
Business supplies	6,178	6,107	6,252	+1.2	-2.3	+2.3	6,065	5,952	6,074	5,955	+1.8
Construction materials and supplies	15,806	15,710	15,745	+0.6	-0.2	-0.5	15,610	15,349	15,383	15,970	-2.3
Defense products	103,904	102,720	101,842	+1.2	+0.9	-0.8	104,712	103,389	100,591	106,976	-2.1
Other materials, supplies and and intermediate products	135,592	134,850	136,043	+0.6	-0.9	-0.5	135,826	131,463	133,024	135,270	+0.4
Durable goods industries :											
Nondefense capital goods [3]	219,028	212,912	208,911	+2.9	+1.9	+1.0	219,755	212,326	209,231	202,851	+8.3
Excluding aircraft and parts	99,822	98,216	99,322	+1.6	-1.1	+0.4	100,549	97,630	99,642	94,535	+6.4
Defense capital goods [4]	109,111	107,821	107,016	+1.2	+0.8	-0.8	109,864	108,285	105,749	112,800	-2.6
Durables excluding capital goods	123,610	123,345	123,863	+0.2	-0.4	-0.8	123,446	118,848	119,734	120,278	+2.6
Miscellaneous series :											
Producers' durable equipment	235,258	229,893	225,588	+2.3	+1.9	+0.7	235,609	227,681	224,672	217,985	+8.1
Household durable goods	5,983	6,028	6,079	-0.7	-0.8	+1.5	5,790	5,119	5,520	5,856	-1.1
Information technology industries	40,529	39,937	40,441	+1.5	-1.2	+0.3	39,933	39,480	40,932	37,755	+5.8
Health care equipment and products	6,065	5,970	6,019	+1.6	-0.8	0.0	6,063	5,969	6,020	6,347	-4.5
TOTAL INVENTORIES											
All manufacturing industries	421,504	418,527	417,586	+0.7	+0.2	0.0	419,165	408,504	416,838	394,792	+6.2
Market categories :											
Automotive equipment	6,648	6,560	6,595	+1.3	-0.5	-0.5	6,734	6,425	6,672	6,504	+3.5
Home goods and apparel	34,328	34,089	34,209	+0.7	-0.4	+0.1	33,783	32,517	32,698	32,163	+5.0
Consumer staples	60,296	60,043	59,256	+0.4	+1.3	-0.2	60,266	59,558	60,413	58,567	+2.9
Machinery and equipment	106,425	104,734	104,309	+1.6	+0.4	+0.5	105,776	101,301	105,281	95,651	+10.6
Business supplies	24,173	24,018	23,934	+0.6	+0.4	+0.3	23,582	22,988	23,651	21,813	+8.1
Construction materials and supplies	26,530	26,490	26,613	+0.2	-0.5	0.0	26,359	25,818	26,082	25,333	+4.1
Defense products	20,421	20,568	20,479	-0.7	+0.4	-1.7	19,912	19,815	20,487	21,394	-6.9
Other materials, supplies and and intermediate products	142,683	142,025	142,191	+0.5	-0.1	+0.1	142,753	140,082	141,554	133,367	+7.0
Durable goods industries :											
Nondefense capital goods [3]	101,185	99,721	99,329	+1.5	+0.4	+0.5	100,442	96,221	100,166	90,350	+11.2
Excluding aircraft and parts	72,746	71,748	71,439	+1.4	+0.4	+0.3	72,144	68,867	71,741	64,582	+11.7
Defense capital goods [4]	20,815	20,879	20,879	-0.3	0.0	-2.0	20,234	19,992	20,947	22,037	-8.2
Durables excluding capital goods	144,270	143,316	143,309	+0.7	0.0	+0.1	144,147	140,682	142,478	136,527	+5.6
Miscellaneous series :											
Producers' durable equipment	167,352	165,686	165,292	+1.0	+0.2	+0.4	166,434	160,785	165,802	154,324	+7.8
Household durable goods	15,168	15,065	14,976	+0.7	+0.6	+0.4	15,045	14,423	14,491	14,346	+4.9
Information technology industries	39,616	38,943	38,638	+1.7	+0.8	+0.2	39,258	37,216	38,993	34,110	+15.1
Health care equipment and products	13,791	13,617	13,397	+1.3	+1.6	-1.1	13,439	13,256	13,480	12,854	+4.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Jan. 1995	Jan. 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	138,856	137,954	138,404	+0.7	-0.3	0.0	139,470	137,855	138,562	130,218	+7.1
Durable goods industries	81,435	80,902	81,104	+0.7	-0.2	-0.3	82,022	80,834	81,684	76,175	+7.7
Stone, clay, and glass products	2,792	2,778	2,863	+0.5	-3.0	-0.3	2,800	2,780	2,841	2,671	+4.8
Primary metals	6,808	6,716	6,782	+1.4	-1.0	-0.1	6,908	6,930	6,905	6,732	+2.6
Fabricated metal products	8,530	8,394	8,477	+1.6	-1.0	-1.6	8,629	8,534	8,454	8,656	-0.3
Industrial machinery and equipment	18,747	18,670	18,670	+0.4	0.0	-0.2	18,802	18,355	18,954	16,925	+11.1
Electronic and other electrical equipment	16,286	16,497	16,586	-1.3	-0.5	-1.5	16,279	16,286	16,388	13,779	+18.1
Transportation equipment	10,437	10,014	9,943	+4.2	+0.7	+0.3	10,452	9,960	10,060	10,667	-2.0
Instruments and related products	7,306	7,243	7,217	+0.9	+0.4	-0.1	7,314	7,125	7,217	6,738	+8.5
Lumber, furniture and miscellaneous durable goods	10,529	10,590	10,566	-0.6	+0.2	+1.7	10,838	10,864	10,865	10,007	+8.3
Nondurable goods industries	57,421	57,052	57,300	+0.6	-0.4	+0.3	57,448	57,021	56,878	54,043	+6.3
Food and kindred products	10,640	10,562	10,510	+0.7	+0.5	+0.2	10,978	10,774	10,847	10,377	+5.8
Tobacco products	4,731	4,713	4,686	+0.4	+0.6	-0.1	5,084	4,970	4,538	5,023	+1.2
Textile mill products	3,017	3,024	3,036	-0.2	-0.4	+0.3	2,996	2,960	2,943	2,896	+3.5
Paper and allied products	8,081	8,153	8,301	-0.9	-1.8	+0.2	7,996	8,149	8,230	7,125	+12.2
Chemicals and allied products	11,701	11,600	11,725	+0.9	-1.1	+0.4	11,659	11,561	11,671	11,402	+2.3
Petroleum and coal products	3,589	3,503	3,381	+2.5	+3.6	+3.7	3,380	3,368	3,285	2,883	+17.2
Rubber and plastics products	4,993	4,979	5,088	+0.3	-2.1	-0.7	4,976	4,999	5,031	5,124	-2.9
Apparel, printing and publishing and leather goods	10,669	10,518	10,573	+1.4	-0.5	+0.1	10,379	10,240	10,333	9,213	+12.7
WORK IN PROCESS											
All manufacturing industries	136,910	135,585	134,967	+1.0	+0.5	+0.5	135,602	131,105	135,826	129,318	+4.9
Durable goods industries	111,838	110,769	110,216	+1.0	+0.5	+0.7	110,583	106,972	110,730	105,354	+5.0
Stone, clay, and glass products	1,301	1,293	1,318	+0.6	-1.9	-1.0	1,267	1,205	1,212	1,158	+9.4
Primary metals	8,410	8,370	8,310	+0.5	+0.7	+0.5	8,324	8,219	8,228	7,679	+8.4
Fabricated metal products	7,696	7,835	7,961	-1.8	-1.6	-0.9	7,661	7,635	7,867	7,749	-1.1
Industrial machinery and equipment	20,236	19,855	19,583	+1.9	+1.4	+2.0	19,849	18,845	20,038	19,008	+4.4
Electronic and other electrical equipment	18,329	17,840	17,342	+2.7	+2.9	+1.7	18,284	17,112	17,255	16,194	+12.9
Transportation equipment	41,101	40,975	41,080	+0.3	-0.3	-0.2	40,788	39,889	41,562	39,479	+3.3
Instruments and related products	9,739	9,628	9,563	+1.2	+0.7	+2.1	9,429	9,231	9,621	8,995	+4.8
Lumber, furniture and miscellaneous durable goods	5,026	4,973	5,059	+1.1	-1.7	-0.5	4,981	4,836	4,947	5,092	-2.2
Nondurable goods industries	25,072	24,816	24,751	+1.0	+0.3	-0.1	25,019	24,133	25,096	23,964	+4.4
Food and kindred products	4,242	4,230	4,227	+0.3	+0.1	-1.1	4,440	4,514	4,591	4,239	+4.7
Tobacco products	195	194	192	+0.5	+1.0	+11.0	210	191	290	192	+9.4
Textile mill products	2,782	2,784	2,805	-0.1	-0.7	+1.3	2,780	2,648	2,773	2,592	+7.3
Paper and allied products	1,633	1,582	1,521	+3.2	+4.0	-1.2	1,632	1,549	1,468	1,281	+27.4
Chemicals and allied products	5,758	5,715	5,649	+0.8	+1.2	+1.0	5,732	5,587	5,674	5,347	+7.2
Petroleum and coal products	2,315	2,291	2,150	+1.0	+6.6	+3.1	2,226	2,133	2,145	2,314	-3.8
Rubber and plastics products	2,039	2,016	2,049	+1.1	-1.6	-0.6	2,079	1,998	2,095	2,002	+3.8
Apparel, printing and publishing and leather goods	6,108	6,004	6,158	+1.7	-2.5	-1.8	5,920	5,513	6,060	5,997	-1.3
FINISHED GOODS											
All manufacturing industries	145,738	144,988	144,215	+0.5	+0.5	-0.4	144,093	139,544	142,450	135,256	+6.5
Durable goods industries	72,997	72,245	72,197	+1.0	+0.1	-0.4	72,218	69,089	71,177	67,385	+7.2
Stone, clay, and glass products	4,149	4,163	4,145	-0.3	+0.4	-1.6	4,128	4,033	3,980	3,936	+4.9
Primary metals	6,726	6,767	6,731	-0.6	+0.5	-0.5	6,711	6,583	6,571	6,726	-0.2
Fabricated metal products	8,479	8,541	8,542	-0.7	0.0	+1.0	8,245	7,997	8,159	7,948	+3.7
Industrial machinery and equipment	16,233	15,789	15,871	+2.8	-0.5	+2.8	16,524	15,365	15,794	14,743	+12.1
Electronic and other electrical equipment	13,339	13,075	12,910	+2.0	+1.3	-1.9	12,919	12,254	12,717	10,876	+18.8
Transportation equipment	8,023	7,852	7,929	+2.2	-1.0	-4.8	7,954	7,399	8,205	8,088	-1.7
Instruments and related products	6,030	6,025	6,002	+0.1	+0.4	-0.4	5,765	5,867	6,134	5,546	+3.9
Lumber, furniture and miscellaneous durable goods	10,018	10,033	10,067	-0.1	-0.3	-0.2	9,972	9,591	9,617	9,522	+4.7
Nondurable goods industries	72,741	72,743	72,018	0.0	+1.0	-0.3	71,875	70,455	71,273	67,871	+5.9
Food and kindred products	16,664	16,802	16,804	-0.8	0.0	+0.1	16,644	16,569	17,526	17,072	-2.5
Tobacco products	658	663	648	-0.8	+2.3	-7.4	703	673	707	798	-11.9
Textile mill products	4,603	4,648	4,660	-1.0	-0.3	+0.1	4,535	4,324	4,480	4,323	+4.9
Paper and allied products	7,213	7,092	6,850	+1.7	+3.5	+0.7	7,187	6,839	6,675	5,510	+30.4
Chemicals and allied products	18,526	18,609	18,347	-0.4	+1.4	-1.8	18,533	18,471	18,041	17,774	+4.3
Petroleum and coal products	5,464	5,401	5,130	+1.2	+5.3	-0.9	5,332	5,124	5,268	5,320	+0.2
Rubber and plastics products	6,947	6,918	6,938	+0.4	-0.3	-0.4	6,937	6,711	6,694	6,366	+9.0
Apparel, printing and publishing and leather goods	12,666	12,610	12,641	+0.4	-0.2	+1.2	12,004	11,744	11,882	10,708	+12.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Oct. 1995	Jan. 1996[p]	Dec. 1995[r]	Nov. 1995	Oct. 1995
All manufacturing industries	1.39	1.37	1.37	1.38	2.85	2.75	2.75	2.78
Durable goods industries	1.63	1.59	1.60	1.60	3.44	3.31	3.31	3.34
Stone, clay, and glass products	1.10	1.11	1.13	1.16	1.13	1.14	1.15	1.15
Primary metals	1.51	1.50	1.48	1.47	1.98	1.96	1.92	1.88
Fabricated metal products	1.52	1.55	1.58	1.57	1.40	1.43	1.47	1.44
Industrial machinery and equipment	1.69	1.67	1.70	1.67	2.40	2.37	2.44	2.41
Electronic and other electrical equipment	1.78	1.68	1.68	1.72	2.05	1.93	1.99	2.08
Transportation equipment	1.60	1.51	1.51	1.55	12.69	11.17	10.83	11.46
Instruments and related products	1.96	1.93	1.93	1.97	3.90	3.86	3.87	3.97
Nondurable goods industries	1.11	1.10	1.11	1.11	0.66	0.64	0.67	0.66
Food and kindred products	0.82	0.83	0.84	0.84	(X)	(X)	(X)	(X)
Tobacco products	1.83	1.96	1.84	1.85	(X)	(X)	(X)	(X)
Textile mill products	1.75	1.73	1.72	1.72	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.26	1.22	1.20	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.17	1.17	1.17	1.17	(X)	(X)	(X)	(X)
Petroleum and coal products	0.83	0.84	0.84	0.86	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.39	1.41	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1996	Jan.[2] 1991-1995	Jan. 1995-Dec. 1995	Jan.[1] 1996	Jan.[2] 1991-1995	Jan. 1995-Dec. 1995	Jan.[1] 1996	Jan.[2] 1991-1995	Jan. 1995-Dec. 1995	Jan.[1] 1996	Jan.[2] 1991-1995	Jan. 1995-Dec. 1995
All manufacturing industries	(X)	0.4	0.1	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	(X)	0.7	0.2	(X)	0.5	0.3	(X)	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.8	0.6	(X)	1.0	1.2	(X)	0.7	0.7	(X)	0.3	0.1
Primary metals	(X)	0.5	0.4	(X)	1.4	0.9	(X)	0.4	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.8	0.4	(X)	1.2	0.6	(X)	0.4	0.4	(X)	1.0	0.2
Industrial machinery and equipment	(X)	1.1	0.3	(X)	1.6	0.6	(X)	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	(X)	0.7	0.4	(X)	1.4	0.5	(X)	0.4	0.3	(X)	0.1	0.1
Transportation equipment	(X)	1.3	0.5	(X)	1.5	1.3	(X)	0.1	0.2	(X)	0.2	0.3
Instruments and related products	(X)	1.0	0.2	(X)	4.7	0.8	(X)	0.3	0.2	(X)	0.3	0.1
Nondurable goods industries	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.6	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2
Tobacco products	(X)	1.4	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
Paper and allied products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Chemicals and allied products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Petroleum and coal products	(X)	1.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Rubber and plastics products	(X)	1.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	(X)	0.8	0.4	(X)	1.1	0.7	(X)	0.0	0.1	(X)	0.1	0.2
Defense	(X)	0.4	0.5	(X)	8.6	4.7	(X)	0.3	0.2	(X)	0.3	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

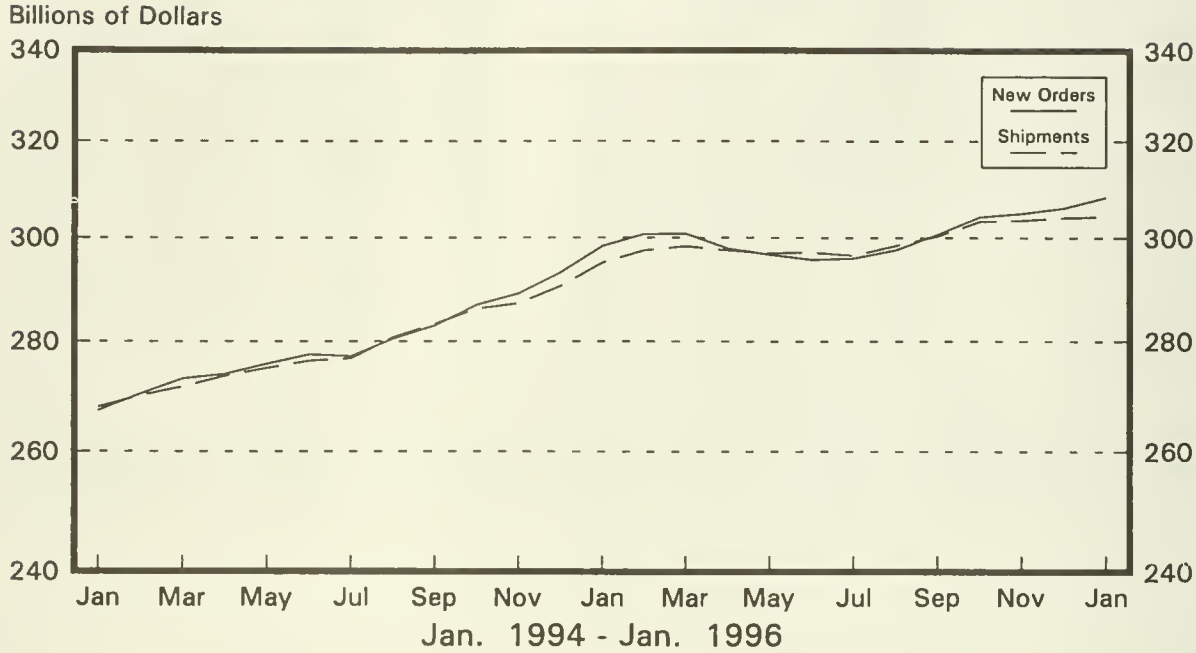
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

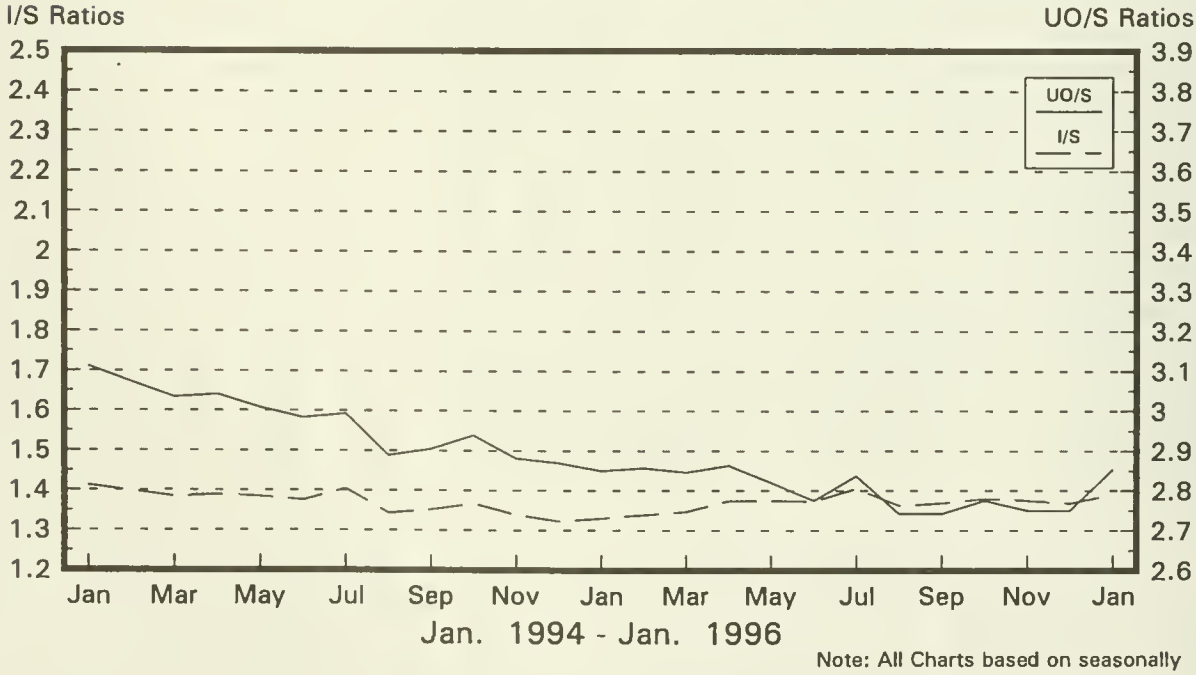
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

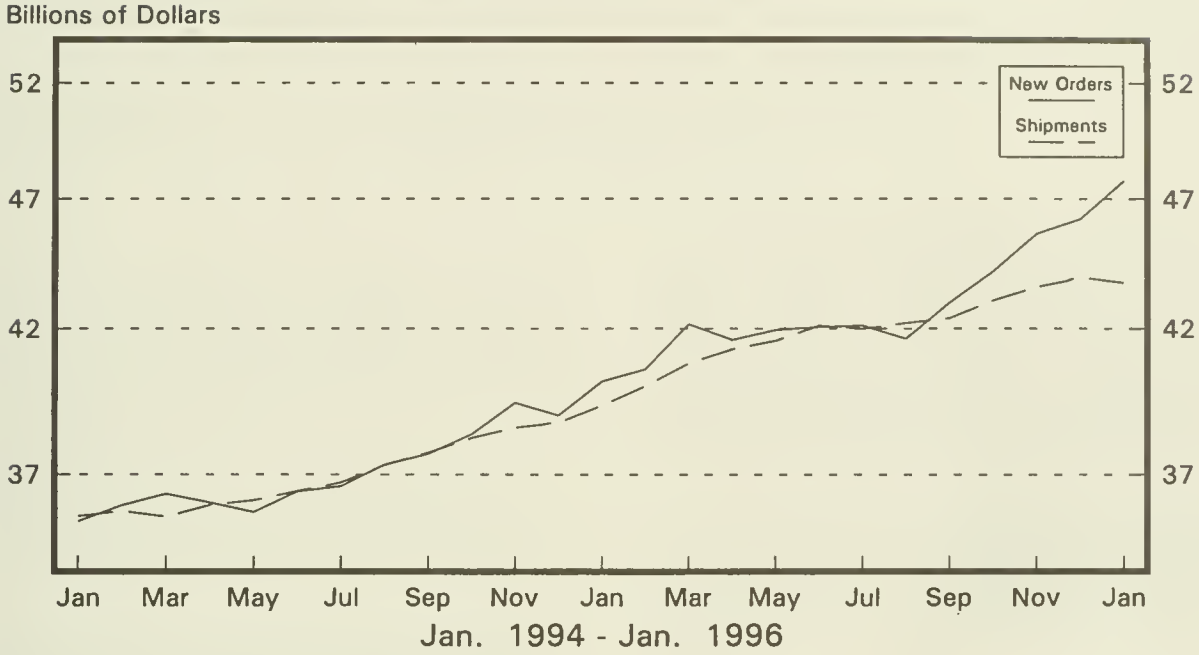
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

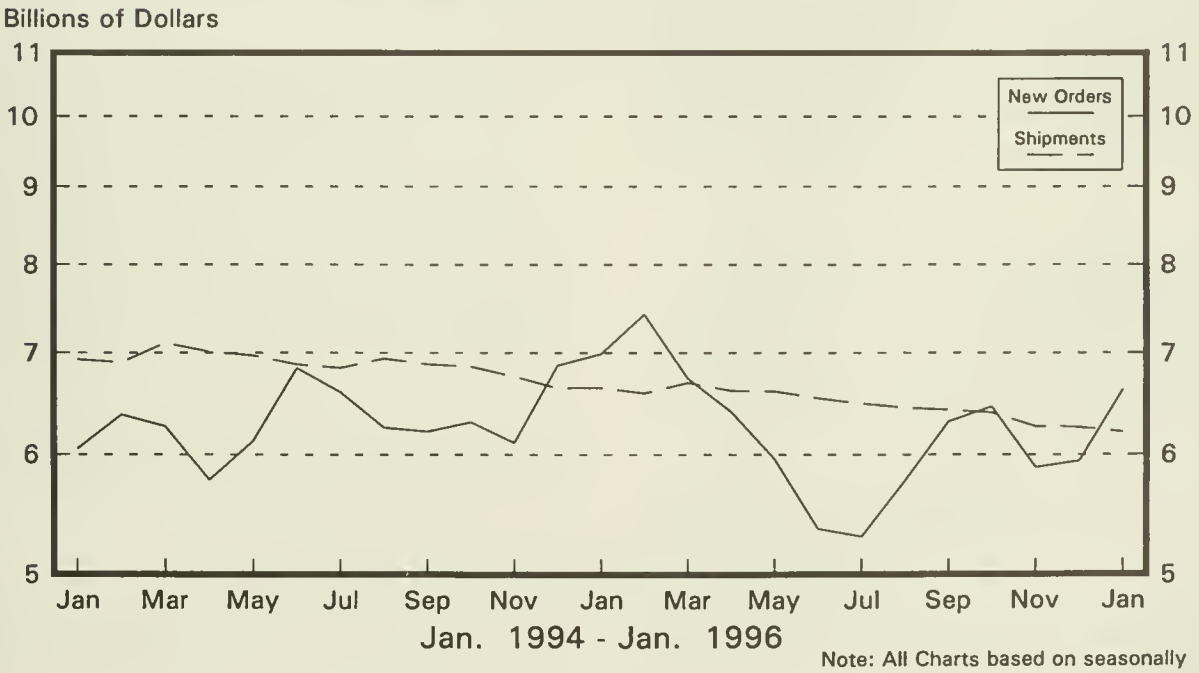
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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Summary

New orders for manufactured goods in February decreased $4.5 billion or 1.4 percent to $304.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.2 percent January decline, is the fourth decline in the last five months and is the largest since the 2.2 percent April 1995 decline. Excluding transportation, new orders increased 0.2 percent, the third consecutive monthly increase. Year to date, new orders are 1.8 percent above the same period a year ago.

Shipments, up three of the last four months, increased $2.6 billion or 0.8 percent to $304.0 billion, following a 1.5 percent January decrease. Year to date, shipments are 1.5 percent above the same period a year ago.

Unfilled orders, up for the sixth consecutive month, increased $0.4 billion or 0.1 percent to $474.9 billion, following a 1.6 percent January increase. The unfilled orders-to-shipments ratio was 2.83, down from 2.87 in January.

Inventories increased $1.0 billion or 0.2 percent to $422.3 billion, the seventeenth consecutive monthly increase and the twenty-fourth in the last twenty-six months. The inventories-to-shipments ratio was 1.39, down from 1.40 in January.

New Orders

New orders for manufactured durable goods in February decreased $3.9 billion or 2.3 percent to $165.4 billion, revised from the previously published 2.5 percent decrease. This follows a 0.6 percent January decline and a 3.1 percent December increase, and is the fourth decline in the last five months. Excluding transportation, new orders increased $1.2 billion or 0.9 percent to $127.1 billion; like total manufacturing, this is the third consecutive monthly increase.

Transportation equipment had the largest decline, $5.0 billion or 11.7 percent to $38.2 billion, due to aircraft and parts and shipbuilding and tanks. This follows a 3.0 percent January decrease. Electronic and other electrical equipment, down three of the last four months, decreased $0.4 billion or 1.5 percent to $27.0 billion, following a 0.6 percent January decline. Stone, clay and glass products, down for the first month since October, declined $0.2 billion or 2.9 percent to $7.3 billion, following a 1.2 percent January increase. Fabricated metal products, down four of the last five months, decreased $0.2 billion or 1.3 percent to $16.0 billion, following a 3.4 percent January increase. Industrial machinery and equipment had the largest increase, $1.4 billion or 4.3 percent to $34.2 billion. This follows a 3.2 percent January increase and is the third increase in the last four months. Instruments and related products, up four of the last five months, increased $0.6 billion or 4.8 percent to $12.3 billion. Primary metals increased $0.1 billion or 1.0 percent to $14.5 billion, following a 2.8 percent January decrease. This is the first increase since October.

New orders for nondurable goods, down for the first month since September, decreased $0.6 billion or 0.4 percent to $139.0 billion, following a 0.3 percent January increase. The largest decreases were for paper and allied products, food and kindred products, and chemical and allied products.

Shipments

Shipments of durable goods in February increased $2.6 billion or 1.6 percent to $164.7 billion, revised from the previously published 1.3 percent increase. This follows a 2.3 percent January decrease and is the third increase in the last four months.

Industrial machinery and equipment had the largest increase, $1.3 billion or 4.1 percent to $33.4 billion, following a 1.5 percent January decrease. Transportation equipment, up three of the last four months, increased $1.0 billion or 2.8 percent to $38.4 billion; all industry components increased. This follows a 4.1 percent January decrease. Electronic and other electrical equipment, up three of the last four months, increased $0.7 billion or 2.6 percent to $27.7 billion, following a 4.5 percent January decrease. Instruments and related products, up three of the last four months, increased $0.3 billion or 2.4 percent to $11.9 billion. Fabricated metal products, down for the first month since November, decreased $0.2 billion or 1.5 percent to $16.0 billion. Stone, clay and glass products, down for the first month since September, decreased $0.2 billion or 2.5 percent to $7.3 billion.

Shipments of nondurable goods declined $0.1 billion to $139.2 billion, following a 0.5 percent January decrease. Food and kindred products, down for the first month since May, had the largest decrease, $0.4 billion or 1.1 percent to $37.8 billion. Chemical and allied products, down three of the last four months, decreased $0.3 billion or 1.0 percent to $30.3 billion. Apparel and related products, and petroleum and coal products had the largest increases.

Unfilled Orders

Unfilled orders for durable goods in February increased $0.6 billion or 0.1 percent to $451.8 billion, revised from the previously published 0.2 percent increase. This follows a 1.6 percent January increase and is the sixth consecutive monthly increase.

Industrial machinery and equipment, up four of the last five months, had the largest increase, $0.8 billion or 1.1 percent to $74.3 billion. This follows a 1.0 percent January increase. Instruments and related products, up for the fifth consecutive month, increased $0.4 billion or 0.9 percent to $46.5 billion. Primary metals, up six of the last seven months, increased $0.2 billion or 0.8 percent to $28.7 billion, following a 0.1 percent January decrease. Electronic and other electrical equipment, down three of the last four months, decreased $0.7 billion or 1.4 percent to $54.1 billion, following a 0.7 percent January increase. Transportation equipment decreased $0.1 billion or 0.1 percent to $211.5 billion. This follows a 2.9 percent January increase and is the first decline since October.

Inventories

Inventories of durable goods in February, up for the seventeenth consecutive month, increased $0.7 billion or 0.3 percent to $267.2 billion, following a 1.0 percent January increase. Transportation equipment had the largest increase, $0.5 billion or 0.9 percent to $60.6 billion, following a 2.2 percent January increase. Industrial machinery and equipment, up for the eighth consecutive month, increased $0.4 billion or 0.8 percent to $55.6 billion. Fabricated metal products, up for the first month since July, increased $0.2 billion or 0.7 percent to $24.9 billion. Electronic and other electrical equipment decreased $0.3 billion or 0.7 percent to $47.4 billion. This follows increases in thirty-six of the last thirty-nine months.

Inventories of nondurable goods, up for the third consecutive month, increased $0.2 billion or 0.2 percent to $155.0 billion. This follows a 0.1 percent January increase. The largest increases were for food and kindred products and chemical and allied products.

By stage of fabrication, February finished goods increased 0.3 percent in durables and 0.4 percent in nondurables. Work in process increased 0.2 percent in durables and declined 0.2 percent in nondurables. Materials and supplies increased 0.4 percent in durables and increased slightly in nondurables.

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The advance report on durable goods for March is scheduled for April 24, 1996 at 8:30 a.m. and the full report on May 2, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's ontine information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95	1996[p]	1995
All manufacturing industries	303,971	301,417	305,907	+0.8	-1.5	+0.7	301,743	271,814	302,720	295,576	+2.1	573,557	563,933
Manufacturing Industries													
with unfilled orders	167,539	165,224	169,862	+1.4	-2.7	+0.8	164,880	146,631	174,305	159,547	+3.3	311,511	303,551
without defense capital goods	297,627	295,117	299,548	+0.9	-1.5	+0.6	295,622	266,624	295,058	289,218	+2.2	562,246	552,033
Durable goods industries	164,743	162,126	165,946	+1.6	-2.3	+0.6	165,262	143,456	167,609	160,976	+2.7	308,718	303,663
With unfilled orders	132,976	130,411	134,195	+2.0	-2.8	+0.9	130,947	114,597	139,447	125,667	+4.2	245,544	238,077
Stone, clay, and glass products	7,310	7,498	7,399	-2.5	+1.3	+0.6	6,751	6,435	6,439	6,656	+1.4	13,186	12,724
Primary metals	14,306	14,422	14,590	-0.8	-1.2	-1.0	14,650	13,707	13,517	15,456	-5.2	28,357	29,959
Blast furnaces, steel mills	6,094	6,114	6,103	-0.3	+0.2	-1.8	6,289	5,916	5,608	6,571	-4.3	12,205	12,684
Iron and steel foundries	1,291	1,299	1,320	-0.6	-1.6	+3.0	1,343	1,223	1,111	1,384	-3.0	2,566	2,672
Nonferrous and other primary metals	6,921	7,009	7,167	-1.3	-2.2	-1.1	7,018	6,568	6,798	7,501	-6.4	13,586	14,603
Fabricated metal products	15,992	16,232	15,935	-1.5	+1.9	+0.8	16,035	14,793	14,922	15,882	+1.0	30,828	30,597
Industrial machinery and equipment	33,376	32,058	32,536	+4.1	-1.5	+1.9	32,776	26,892	35,784	29,401	+11.5	59,668	54,029
Engines and turbines	1,867	1,861	1,739	+0.3	+7.0	-2.1	1,838	1,512	2,314	1,887	-2.6	3,350	3,450
Farm and garden machinery	1,937	1,906	1,817	+1.6	+4.9	-1.3	2,352	1,714	1,455	2,256	+4.3	4,066	3,912
Construction, mining and material handling equipment	3,342	3,392	3,660	-1.5	-7.3	+8.6	3,526	3,096	3,539	3,349	+5.3	6,622	6,165
Metalworking machinery	3,545	3,258	3,367	+8.8	-3.2	-2.3	3,463	2,670	3,639	3,223	+7.4	6,133	5,959
Computer and office equipment	10,130	8,877	9,236	+14.1	-3.9	0.0	9,026	6,473	12,534	6,995	+29.0	15,499	12,689
Electronic and other electrical equipment	27,706	27,013	28,300	+2.6	-4.5	+1.7	26,838	23,570	30,776	23,889	+12.3	50,408	45,493
Electrical transmission and distribution equipment and industrial apparatus	2,807	2,832	2,919	-0.9	-3.0	+0.9	2,902	2,478	2,894	2,922	-0.7	5,380	5,366
Household appliances	1,915	1,935	1,922	-1.0	+0.7	-2.3	1,827	1,653	1,742	1,800	+1.5	3,480	3,432
Electric lighting and wiring equipment	1,929	1,938	1,936	-0.5	+0.1	+1.5	2,006	1,735	1,993	2,013	-0.3	3,741	3,735
Household audio and video equipment	1,166	1,109	1,203	+5.1	-7.8	-4.3	1,066	906	1,147	1,035	+3.0	1,972	1,949
Communications equipment	6,735	6,306	7,064	+6.8	-10.7	+6.8	6,183	5,104	9,567	5,255	+17.7	11,287	9,985
Electronic components	10,811	10,708	11,052	+1.0	-3.1	+0.1	10,616	9,828	11,141	8,886	+19.5	20,444	17,127
Transportation equipment	38,379	37,349	38,966	+2.8	-4.1	0.0	41,062	33,550	38,079	42,205	-2.7	74,612	78,049
Motor vehicles and parts	27,741	27,517	27,513	+0.8	0.0	+0.5	30,778	25,642	24,522	31,065	-0.9	56,420	57,554
Aircraft, missiles, space vehicles, and parts	7,724	7,233	8,310	+6.8	-13.0	-3.1	7,412	5,610	10,522	8,357	-11.3	13,022	15,110
Shipbuilding and tanks	874	815	811	+7.2	+0.5	+0.9	843	690	961	804	+4.9	1,533	1,584
Instruments and related products	11,912	11,636	11,891	+2.4	-2.1	+0.8	11,591	10,310	12,929	11,192	+3.6	21,901	21,337
Search and navigation equipment	2,554	2,480	2,430	+3.0	+2.1	+0.2	2,542	2,102	2,796	2,524	+0.7	4,644	4,730
Measuring and controlling devices	3,882	3,676	4,163	+5.6	-11.7	+7.4	3,797	3,348	4,471	3,487	+8.9	7,145	6,654
Medical instruments and supplies	3,209	3,133	3,204	+2.4	-2.2	+2.9	3,161	2,891	3,494	3,055	+3.5	6,052	5,937
Photographic goods	1,862	1,928	1,671	-3.4	+15.4	-14.8	1,711	1,597	1,769	1,751	-2.3	3,308	3,280
All other durable goods	15,762	15,918	16,329	-1.0	-2.5	-1.1	15,559	14,199	15,163	16,295	-4.5	29,758	31,480
Nondurable goods industries	139,228	139,291	139,961	0.0	-0.5	+0.8	136,481	128,358	135,111	134,600	+1.4	264,839	260,270
With unfilled orders	34,563	34,813	35,667	-0.7	-2.4	+0.3	33,933	32,034	34,858	33,880	+0.2	65,967	65,474
Food and kindred products	37,821	38,260	37,850	-1.1	+1.1	+0.2	36,953	35,278	37,969	35,374	+4.5	72,231	68,667
Meat products	8,639	8,655	8,899	-0.2	-2.7	-0.2	8,397	8,089	8,799	7,957	+5.5	16,486	15,52
Dairy products	4,850	4,977	4,960	-2.6	+0.3	+0.6	4,772	4,714	4,859	4,679	+2.0	9,486	9,17
Beverages	5,639	5,686	5,509	-0.8	+3.2	+1.4	5,075	4,871	5,172	4,751	+6.8	9,946	9,22
All other foods, except fats and oils	16,430	16,879	16,425	-2.7	+2.8	+1.1	16,446	15,541	17,082	16,011	+2.7	31,987	30,81
Tobacco products	3,036	3,040	2,835	-0.1	+7.2	-5.8	2,851	2,648	2,991	2,761	+3.3	5,499	5,23
Textile mill products	5,961	5,838	6,053	+2.1	-3.6	-0.8	5,810	4,993	5,498	6,194	-6.2	10,803	11,71
Broadwoven fabrics and other textiles	3,662	3,668	3,703	-0.2	-0.9	-1.4	3,647	3,213	3,487	3,951	-7.7	6,860	7,47
Paper and allied products	13,201	13,442	13,754	-1.8	-2.3	-1.2	13,248	12,879	13,275	13,490	-1.8	26,127	26,11
Pulp, paper, and paperboard mill products	5,281	5,476	5,763	-3.6	-5.0	-1.2	5,318	5,236	5,635	5,788	-8.1	10,554	11,12
Paperboard containers and boxes	3,687	3,718	3,710	-0.8	+0.2	-2.5	3,646	3,554	3,424	3,580	+1.8	7,200	6,97
Miscellaneous converted paper products	4,233	4,248	4,281	-0.4	-0.8	-0.1	4,284	4,089	4,216	4,122	+3.9	8,373	8,01
Chemicals and allied products	30,304	30,596	30,790	-1.0	-0.6	+0.7	30,061	29,122	29,606	30,456	-1.3	59,183	59,38
Industrial chemicals	15,821	15,936	16,162	-0.7	-1.4	0.0	16,011	15,202	15,036	17,046	-6.1	31,213	33,08
Drugs, soaps, and toiletries	10,798	10,896	11,014	-0.9	-1.1	+2.4	10,420	10,607	11,557	9,978	+4.4	21,027	19,90
Petroleum and coal products	14,122	13,919	13,407	+1.5	+3.8	+6.2	12,967	12,451	12,957	12,100	+7.2	25,418	23,42
Rubber and plastics products	9,994	9,817	10,017	+1.8	-2.0	+0.5	10,087	9,107	9,050	10,137	-0.5	19,194	19,61
All other nondurable goods	24,789	24,379	25,255	+1.7	-3.5	+1.6	24,504	21,880	23,765	24,088	+1.7	46,384	46,10

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95	1996[p]	1995
All manufacturing industries	304,377	308,839	309,467	-1.4	-0.2	+1.7	304,047	286,088	306,722	299,933	+1.4	590,135	577,605
anufacturing industries													
vith unfilled orders	167,945	172,646	173,422	-2.7	-0.4	+2.7	167,184	160,905	178,307	163,904	+2.0	328,089	317,223
vithout defense capital goods	298,960	301,323	302,303	-0.8	-0.3	+1.1	299,099	279,222	296,524	293,870	+1.8	578,321	566,305
rable goods industries	165,361	169,238	170,234	-2.3	-0.6	+3.1	167,513	156,982	172,354	164,850	+1.6	324,495	316,018
Vith unfilled orders	133,594	137,523	138,483	-2.9	-0.7	+4.0	133,198	128,123	144,192	129,541	+2.8	261,321	250,432
one, clay, and glass products	7,301	7,520	7,434	-2.9	+1.2	+0.7	7,115	6,569	6,345	6,842	+4.0	13,684	13,310
mary metals	14,527	14,390	14,800	+1.0	-2.8	-1.9	15,649	15,105	14,430	16,223	-3.5	30,754	32,419
Blast furnaces, steel mills	6,006	6,143	6,418	-2.2	-4.3	-1.6	6,703	6,852	6,030	7,041	-4.8	13,555	14,137
Iron and steel foundries	1,508	1,397	1,270	+7.9	+10.0	-0.2	1,628	1,461	1,022	1,539	+5.8	3,089	2,953
Nonferrous and other primary metals	7,013	6,850	7,112	+2.4	-3.7	-2.5	7,318	6,792	7,378	7,643	-4.3	14,110	15,329
bricated metal products	16,015	16,220	15,687	-1.3	+3.4	-1.1	16,159	15,001	14,937	16,157	0.0	31,160	31,314
lustrial machinery and equipment	34,192	32,792	31,767	+4.3	+3.2	-2.6	33,853	28,814	34,251	30,817	+9.9	62,667	58,065
Engines and turbines	1,926	1,979	1,539	-2.7	+28.6	-31.2	1,677	1,505	2,077	1,524	+10.0	3,182	2,974
Construction, mining and material handling equipment	3,705	3,425	3,765	+8.2	-9.0	+9.2	4,015	3,350	3,694	3,426	+17.2	7,365	6,830
Metalworking machinery	3,741	3,463	2,895	+8.0	+19.6	-2.4	3,659	2,875	3,167	3,479	+5.2	6,534	6,634
Computer and office equipment	10,007	8,725	9,032	+14.7	-3.4	-3.2	9,112	6,222	11,381	7,638	+19.3	15,334	13,419
ctronic and other ectrical equipment	26,962	27,381	27,549	-1.5	-0.6	+5.6	26,147	26,176	29,170	24,703	+5.8	52,323	49,090
Electrical transmission and distribution equipment and industrial apparatus	2,923	2,787	2,847	+4.9	-2.1	+2.7	3,038	2,484	2,757	3,042	-0.1	5,522	5,738
Electric lighting and wiring equipment	1,992	2,049	2,046	-2.8	+0.1	+12.0	2,069	1,846	2,103	2,100	-1.5	3,915	3,964
Communications equipment	6,902	6,932	6,517	-0.4	+6.4	-1.7	6,364	5,696	9,024	5,100	+24.8	12,060	10,257
lectronic components	9,630	10,036	10,654	-4.0	-5.8	+8.1	9,466	10,995	10,144	9,975	-5.1	20,461	20,020
nsportation equipment	38,240	43,286	44,631	-11.7	-3.0	+12.3	40,808	40,245	44,811	42,604	-4.2	81,053	78,196
Aircraft, missiles, space vehicles, and parts	8,115	12,193	14,056	-33.4	-13.3	+44.6	7,550	11,073	17,253	8,889	-15.1	18,623	14,516
Shipbuilding and tanks	581	1,687	785	-65.6	+114.9	+29.5	601	1,598	847	486	+23.7	2,199	1,976
ruments and related products	12,335	11,770	12,238	+4.8	-3.8	+3.5	12,053	10,433	14,028	11,123	+8.4	22,486	21,517
earch and navigation equipment	2,739	2,341	2,809	+17.0	-16.7	+16.2	2,720	1,954	3,917	2,134	+27.5	4,674	4,173
Measuring and controlling devices	3,913	3,923	4,187	-0.3	-6.3	+7.1	3,828	3,595	4,495	3,772	+1.5	7,423	7,290
Medical instruments and supplies	3,349	3,224	3,156	+3.9	+2.2	+1.3	3,301	2,982	3,446	3,027	+9.1	6,283	5,930
other durable goods	15,789	15,879	16,128	-0.6	-1.5	-2.4	15,729	14,639	14,382	16,381	-4.0	30,368	32,107
durable goods industries	139,016	139,601	139,233	-0.4	+0.3	+0.2	136,534	129,106	134,368	135,083	+1.1	265,640	261,587
Vith unfilled orders	34,351	35,123	34,939	-2.2	+0.5	-2.2	33,986	32,782	34,115	34,363	-1.1	66,768	66,791

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), nufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95
All manufacturing industries	474,873	474,467	467,045	+0.1	+1.6	+0.8	477,935	475,631	461,357	465,440	+2.7
Manufacturing industries without defense capital goods	366,763	365,430	359,224	+0.4	+1.7	+0.8	369,147	365,670	353,072	352,935	+4.6
Durable goods industries	451,808	451,190	444,078	+0.1	+1.6	+1.0	455,236	452,985	439,459	439,803	+3.5
Stone, clay, and glass products	8,016	8,025	8,003	-0.1	+0.3	+0.4	8,138	7,774	7,640	8,100	+0.5
Primary metals	28,727	28,506	28,538	+0.8	-0.1	+0.7	29,879	28,880	27,482	30,319	-1.5
Blast furnaces, steel mills	12,375	12,463	12,434	-0.7	+0.2	+2.6	13,019	12,605	11,669	12,104	+7.6
Iron and steel foundries	3,964	3,747	3,649	+5.8	+2.7	-1.4	4,063	3,778	3,540	3,968	+2.4
Nonferrous and other primary metals	12,388	12,296	12,455	+0.7	-1.3	-0.4	12,797	12,497	12,273	14,247	-10.2
Fabricated metal products	20,992	20,969	20,981	+0.1	-0.1	-1.2	21,023	20,899	20,691	21,209	-0.9
Industrial machinery and equipment	74,307	73,491	72,757	+1.1	+1.0	-1.0	75,401	74,324	72,402	71,232	+5.9
Engines and turbines	10,611	10,552	10,434	+0.6	+1.1	-1.9	10,691	10,852	10,859	10,148	+5.4
Construction, mining and material handling equipment	8,943	8,580	8,547	+4.2	+0.4	+1.2	9,202	8,713	8,459	7,664	+20.1
Metalworking machinery	9,951	9,755	9,550	+2.0	+2.1	-4.7	9,951	9,755	9,550	10,252	-2.9
Computer and office equipment	11,400	11,523	11,675	-1.1	-1.3	-1.7	11,058	10,972	11,223	11,930	-7.3
Electronic and other electrical equipment	54,127	54,871	54,503	-1.4	+0.7	-1.4	54,675	55,366	52,760	49,729	+9.9
Electrical transmission and distribution equipment and industrial apparatus	5,800	5,684	5,729	+2.0	-0.8	-1.2	5,821	5,685	5,679	6,118	-4.9
Electric lighting and wiring equipment	4,017	3,954	3,843	+1.6	+2.9	+2.9	4,017	3,954	3,843	3,872	+3.7
Communications equipment	18,055	17,888	17,262	+0.9	+3.6	-3.1	18,030	17,849	17,257	15,276	+18.0
Electronic components	21,203	22,384	23,056	-5.3	-2.9	-1.7	21,585	22,735	21,568	18,825	+14.7
Transportation equipment	211,457	211,596	205,659	-0.1	+2.9	+2.8	211,910	212,164	205,469	203,321	+4.2
Aircraft, missiles, space vehicles, and parts	182,257	181,866	176,906	+0.2	+2.8	+3.4	182,530	182,392	176,929	170,298	+7.2
Shipbuilding and tanks	16,960	17,253	16,381	-1.7	+5.3	-0.2	16,920	17,162	16,254	19,331	-12.5
Instruments and related products	46,505	46,082	45,948	+0.9	+0.3	+0.8	46,953	46,491	46,368	48,203	-2.6
Search and navigation equipment	29,087	28,902	29,041	+0.6	-0.5	+1.3	29,517	29,339	29,487	31,150	-5.2
Measuring and controlling devices	10,384	10,353	10,106	+0.3	+2.4	+0.2	10,384	10,353	10,106	9,885	+5.0
Medical instruments and supplies	6,174	6,034	5,943	+2.3	+1.5	-0.8	6,174	6,034	5,943	6,289	-1.8
All other durable goods	7,677	7,650	7,689	+0.4	-0.5	-2.5	7,257	7,087	6,647	7,690	-5.6
Nondurable goods industries	23,065	23,277	22,967	-0.9	+1.3	-3.1	22,699	22,646	21,898	25,637	-11.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95
All manufacturing industries	422,276	421,317	418,527	+0.2	+0.7	+0.2	424,134	419,188	408,504	401,729	+5.6
anufacturing industries											
ith unfilled orders	285,125	284,524	281,899	+0.2	+0.9	+0.3	285,318	281,641	273,212	266,133	+7.2
ithout defense capital goods	401,341	400,436	397,648	+0.2	+0.7	+0.2	403,377	398,967	388,512	379,632	+6.3
urable goods industries	267,240	266,530	263,916	+0.3	+1.0	+0.2	268,943	265,160	256,895	253,603	+6.0
With unfilled orders	245,422	244,831	242,239	+0.2	+1.1	+0.3	246,064	242,802	235,175	231,088	+6.5
one, clay, and glass products	8,238	8,242	8,234	0.0	+0.1	-1.1	8,347	8,197	8,018	7,985	+4.5
imary metals	21,805	21,868	21,853	-0.3	+0.1	+0.1	21,876	21,888	21,732	21,423	+2.1
Blast furnaces, steel mills	10,568	10,632	10,541	-0.6	+0.9	+1.3	10,653	10,799	10,674	10,184	+4.6
Iron and steel foundries	1,676	1,640	1,651	+2.2	-0.7	+1.2	1,691	1,626	1,627	1,614	+4.8
Nonferrous and other primary metals	9,561	9,596	9,661	-0.4	-0.7	-1.3	9,532	9,463	9,431	9,625	-1.0
bricated metal products	24,873	24,706	24,770	+0.7	-0.3	-0.8	25,032	24,555	24,166	24,892	+0.6
lustrial machinery and equipment	55,630	55,212	54,314	+0.8	+1.7	+0.4	56,271	55,103	52,565	51,753	+8.7
Engines and turbines	3,690	3,731	3,771	-1.1	-1.1	+1.0	3,555	3,529	3,488	3,688	-3.6
Farm and garden machinery	2,741	2,732	2,695	+0.3	+1.4	-0.7	3,045	3,035	2,891	3,122	-2.5
Construction, mining and material handling equipment	6,599	6,543	6,518	+0.9	+0.4	0.0	6,691	6,531	6,330	6,387	+4.8
Metalworking machinery	6,653	6,626	6,401	+0.4	+3.5	+0.3	6,633	6,541	6,097	5,834	+13.7
Computer and office equipment	13,183	13,012	12,557	+1.3	+3.6	+0.5	13,302	12,947	11,893	11,549	+15.2
ctronic and other lectrical equipment	47,397	47,739	47,412	-0.7	+0.7	+1.2	47,372	47,438	45,652	42,238	+12.2
Electrical transmission and distribution equipment and industrial apparatus	4,661	4,658	4,874	+0.1	-4.4	-0.6	4,616	4,568	4,718	4,769	-3.2
Household appliances	2,733	2,719	2,719	+0.5	0.0	0.0	2,870	2,701	2,496	3,017	-4.9
Electric lighting and wiring equipment	3,280	3,291	3,290	-0.3	0.0	-0.9	3,257	3,199	3,109	3,152	+3.3
Household audio and video equipment	1,841	1,806	1,695	+1.9	+6.5	+1.7	1,758	1,712	1,568	1,329	+32.3
Communications equipment	15,519	15,773	15,667	-1.6	+0.7	+1.0	15,666	15,799	15,002	13,707	+14.3
Electronic components	15,487	15,614	15,327	-0.8	+1.9	+2.9	15,379	15,687	15,085	12,787	+20.3
nsportation equipment	60,631	60,109	58,841	+0.9	+2.2	-0.2	61,034	59,633	57,248	58,646	+4.1
Motor vehicles and parts	12,054	12,131	11,932	-0.6	+1.7	-0.2	12,252	12,266	11,739	12,352	-0.8
Aircraft, missiles, space vehicles, and parts	43,817	43,215	42,228	+1.4	+2.3	+0.3	43,837	42,562	40,907	41,538	+5.5
hipbuilding and tanks	1,666	1,678	1,695	-0.7	-1.0	-0.9	1,709	1,662	1,624	1,587	+7.7
ruments and related products	23,185	23,122	22,896	+0.3	+1.0	+0.5	23,114	22,554	22,223	21,797	+6.0
earch and navigation equipment	5,619	5,716	5,698	-1.7	+0.3	+1.7	5,641	5,539	5,563	5,609	+0.6
Measuring and controlling devices	7,600	7,514	7,417	+1.1	+1.3	-0.2	7,600	7,401	7,221	6,843	+11.1
Medical instruments and supplies	6,567	6,509	6,369	+0.9	+2.2	+0.9	6,514	6,380	6,230	5,994	+8.7
hotographic goods	2,535	2,532	2,544	+0.1	-0.5	-0.8	2,497	2,398	2,340	2,483	+0.6
other durable goods	25,481	25,532	25,596	-0.2	-0.3	-0.4	25,897	25,792	25,291	24,869	+4.1
ndurable goods industries	155,036	154,787	154,611	+0.2	+0.1	+0.4	155,191	154,028	151,609	148,126	+4.8
With unfilled orders	39,703	39,693	39,660	0.0	+0.1	+0.1	39,254	38,839	38,037	35,045	+12.0
d and kindred products	31,648	31,438	31,594	+0.7	-0.5	+0.2	31,813	31,945	31,857	31,302	+1.6
Meat products	4,065	4,028	4,002	+0.9	+0.6	+2.8	4,126	3,971	3,777	3,506	+17.7
Dairy products	2,710	2,781	2,787	-2.6	-0.2	+3.8	2,645	2,730	2,643	2,694	-1.8
Beverages	5,360	5,344	5,351	+0.3	-0.1	-1.0	5,360	5,322	5,313	5,307	+1.0
ll other foods, except fats and oils	17,505	17,324	17,514	+1.0	-1.1	-0.7	17,505	17,793	18,062	18,071	-3.1
acco products	5,524	5,570	5,570	-0.8	0.0	+0.8	5,960	5,997	5,834	6,059	-1.6
tile mill products	10,386	10,393	10,456	-0.1	-0.6	-0.4	10,491	10,305	9,932	10,050	+4.4
Broadwoven fabrics and other textiles	5,767	5,763	5,796	+0.1	-0.6	-0.5	5,842	5,761	5,553	5,633	+3.7
er and allied products	16,881	16,830	16,827	+0.3	0.0	+0.9	16,923	16,724	16,537	14,302	+18.3
ulp, paper, and paperboard mill products	7,303	7,146	7,043	+2.2	+1.5	+1.3	7,354	7,146	6,964	5,567	+32.1
aperboard containers and boxes	4,320	4,388	4,451	-1.5	-1.4	-1.6	4,337	4,342	4,399	3,872	+12.0
Miscellaneous converted paper products	5,258	5,296	5,333	-0.7	-0.7	+2.7	5,232	5,236	5,174	4,863	+7.6
micals and allied products	36,041	35,935	35,924	+0.3	0.0	+0.6	36,456	35,910	35,619	35,144	+3.7
ndustrial chemicals	17,832	17,785	17,893	+0.3	-0.6	-0.6	18,064	17,954	17,974	17,359	+4.1
Drugs, soaps, and toiletries	13,378	13,382	13,311	0.0	+0.5	+2.4	13,191	12,966	12,899	12,877	+2.4
roleum and coal products	11,337	11,348	11,195	-0.1	+1.4	+5.0	11,026	10,927	10,625	10,726	+2.8
bber and plastics products	13,897	13,901	13,913	0.0	-0.1	-1.2	14,144	13,930	13,708	14,048	+0.7
other nondurable goods	29,322	29,372	29,132	-0.2	+0.8	-0.8	28,378	28,290	27,497	26,495	+7.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	303,971	301,417	305,907	+0.8	-1.5	+0.7	301,743	271,814	302,720	295,576	+2.1	573,557	563,933
Market categories :													
Automotive equipment	14,528	14,343	14,357	+1.3	-0.1	+0.4	15,919	13,183	12,758	15,878	+0.3	29,102	29,372
Home goods and apparel	19,530	18,844	19,747	+3.6	-4.6	+0.1	19,504	16,251	17,191	19,446	+0.3	35,755	36,585
Consumer staples	63,140	63,703	63,070	-0.9	+1.0	+1.4	60,983	58,975	63,781	58,358	+4.5	119,958	113,727
Machinery and equipment	56,754	54,229	56,635	+4.7	-4.2	+0.8	56,265	45,874	62,480	52,923	+6.3	102,139	97,722
Business supplies	22,963	22,927	23,097	+0.2	-0.7	+1.0	22,485	20,999	22,544	21,652	+3.8	43,484	42,049
Construction materials and supplies	18,140	18,649	18,432	-2.7	+1.2	-0.5	17,308	16,254	16,750	18,256	-5.2	33,562	34,875
Defense products	6,794	6,727	6,908	+1.0	-2.6	+5.4	6,623	5,672	7,998	6,939	-4.6	12,295	13,072
Other materials, supplies and and intermediate products	102,122	101,995	103,661	+0.1	-1.6	+0.2	102,656	94,606	99,218	102,124	+0.5	197,262	196,531
Durable goods industries :													
Nondefense capital goods [3]	44,323	41,704	44,699	+6.3	-6.7	+1.5	42,580	34,084	52,533	39,274	+8.4	76,664	72,290
Excluding aircraft and parts	39,796	37,638	39,733	+5.7	-5.3	+2.9	38,213	31,032	46,106	34,268	+11.5	69,245	63,402
Defense capital goods [4]	6,344	6,300	6,359	+0.7	-0.9	+4.2	6,121	5,190	7,662	6,358	-3.7	11,311	11,900
Durables excluding capital goods	114,076	114,122	114,888	0.0	-0.7	+0.1	116,561	104,182	107,414	115,344	+1.1	220,743	219,473
Miscellaneous series :													
Producers' durable equipment	106,947	103,892	106,517	+2.9	-2.5	+0.7	108,365	91,178	109,517	103,803	+4.4	199,543	194,032
Household durable goods	8,627	8,515	8,720	+1.3	-2.4	-0.7	8,434	7,355	8,117	8,045	+4.8	15,789	15,373
Information technology industries	22,840	20,993	22,368	+8.8	-6.1	+2.0	20,987	16,703	28,491	17,746	+18.3	37,690	33,093
Health care equipment and products	9,068	9,042	9,178	+0.3	-1.5	+2.5	8,824	8,639	9,745	8,484	+4.0	17,463	16,749
NEW ORDERS													
All manufacturing industries	304,377	308,839	309,467	-1.4	-0.2	+1.7	304,047	286,088	306,722	299,933	+1.4	590,135	577,605
Market categories :													
Automotive equipment	14,521	14,395	14,340	+0.9	+0.4	+0.8	15,925	13,300	12,753	15,890	+0.2	29,225	29,443
Home goods and apparel	19,653	18,913	19,640	+3.9	-3.7	-1.5	19,944	17,327	16,753	19,670	+1.4	37,271	38,172
Consumer staples	63,113	63,763	62,993	-1.0	+1.2	+1.3	60,903	59,012	63,728	58,348	+4.4	119,915	113,720
Machinery and equipment	59,061	59,943	60,892	-1.5	-1.6	+5.0	59,078	52,902	65,898	54,310	+8.8	111,980	101,658
Business supplies	22,818	22,946	22,953	-0.6	0.0	-0.2	22,340	21,107	22,423	21,765	+2.6	43,447	42,308
Construction materials and supplies	18,243	18,724	18,396	-2.6	+1.8	-0.2	17,733	16,468	16,715	18,529	-4.3	34,201	35,677
Defense products	5,946	7,841	7,787	-24.2	+0.7	+36.3	5,479	7,087	10,797	6,541	-16.2	12,566	12,412
Other materials, supplies and and intermediate products	101,022	102,314	102,466	-1.3	-0.1	-0.2	102,645	98,885	97,655	104,880	-2.1	201,530	204,215
Durable goods industries :													
Nondefense capital goods [3]	46,507	47,779	48,700	-2.7	-1.9	+5.7	45,071	41,460	55,628	40,682	+10.8	86,531	76,633
Excluding aircraft and parts	40,945	39,178	38,627	+4.5	+1.4	-0.9	39,669	33,873	44,094	35,671	+11.2	73,542	68,333
Defense capital goods [4]	5,417	7,516	7,164	-27.9	+4.9	+36.7	4,948	6,866	10,198	6,063	-18.4	11,814	11,300
Durables excluding capital goods	113,437	113,943	114,370	-0.4	-0.4	+0.5	117,494	108,656	106,528	118,105	-0.5	226,150	228,085
Miscellaneous series :													
Producers' durable equipment	109,379	109,380	110,822	0.0	-1.3	+3.2	111,420	99,236	112,526	105,942	+5.2	210,656	200,442
Household durable goods	8,646	8,506	8,669	+1.6	-1.9	-2.2	8,557	8,065	7,716	7,962	+7.5	16,622	15,949
Information technology industries	23,053	21,722	21,864	+6.1	-0.6	-0.8	21,430	17,318	27,039	18,609	+15.2	38,748	34,782
Health care equipment and products	9,209	9,133	9,128	+0.8	+0.1	+1.9	8,965	8,729	9,695	8,456	+6.0	17,694	16,746

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Feb. 96/95
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	
UNFILLED ORDERS											
All manufacturing industries	474,873	474,467	467,045	+0.1	+1.6	+0.8	477,935	475,631	461,357	465,440	+2.7
arket categories :											
Automotive equipment	1,936	1,944	1,891	-0.4	+2.8	-0.9	1,986	1,980	1,862	2,218	-10.5
Home goods and apparel	9,668	9,545	9,476	+1.3	+0.7	-1.1	9,522	9,082	8,007	9,915	-4.0
Consumer staples	1,770	1,797	1,737	-1.5	+3.5	-4.2	1,730	1,809	1,772	1,624	+6.5
Machinery and equipment	202,575	200,269	194,554	+1.2	+2.9	+2.2	203,404	200,590	193,563	184,769	+10.1
Business supplies	5,981	6,126	6,107	-2.4	+0.3	-2.3	5,915	6,061	5,952	6,068	-2.5
Construction materials and supplies	15,888	15,785	15,710	+0.7	+0.5	-0.2	15,988	15,562	15,349	16,242	-1.6
Defense products	102,987	103,834	102,720	-0.8	+1.1	+0.9	103,660	104,804	103,389	106,577	-2.7
Other materials, supplies and and intermediate products	134,068	135,167	134,850	-0.8	+0.2	-0.9	135,730	135,743	131,463	138,027	-1.7
rable goods industries :											
Nondefense capital goods [3]	221,171	218,987	212,912	+1.0	+2.9	+1.9	222,193	219,702	212,326	204,259	+8.8
Excluding aircraft and parts	100,905	99,756	98,216	+1.2	+1.6	-1.1	101,927	100,471	97,630	95,938	+6.2
Defense capital goods [4]	108,110	109,037	107,821	-0.9	+1.1	+0.8	108,788	109,961	108,285	112,505	-3.3
Durables excluding capital goods	122,527	123,166	123,345	-0.5	-0.1	-0.4	124,255	123,322	118,848	123,039	+1.0
scellaneous series :											
Producers' durable equipment	237,813	235,381	229,893	+1.0	+2.4	+1.9	238,794	235,739	227,681	220,124	+8.5
Household durable goods	6,038	6,019	6,028	+0.3	-0.1	-0.8	5,952	5,829	5,119	5,773	+3.1
nformation technology industries	40,879	40,666	39,937	+0.5	+1.8	-1.2	40,538	40,095	39,480	38,618	+5.0
Health care equipment and products	6,202	6,061	5,970	+2.3	+1.5	-0.8	6,200	6,059	5,969	6,319	-1.9
TOTAL INVENTORIES											
ll manufacturing industries	422,276	421,317	418,527	+0.2	+0.7	+0.2	424,134	419,188	408,504	401,729	+5.6
rket categories :											
Automotive equipment	6,658	6,648	6,560	+0.2	+1.3	-0.5	6,891	6,725	6,425	6,677	+3.2
Home goods and apparel	34,533	34,378	34,089	+0.5	+0.8	-0.4	34,315	33,805	32,517	32,796	+4.6
Consumer staples	60,223	60,092	60,043	+0.2	+0.1	+1.3	60,220	60,116	59,558	58,792	+2.4
Machinery and equipment	107,355	106,813	104,734	+0.5	+2.0	+0.4	108,416	106,229	101,301	98,236	+10.4
Business supplies	24,022	24,054	24,018	-0.1	+0.1	+0.4	23,813	23,497	22,988	22,401	+6.3
Construction materials and supplies	26,289	26,418	26,490	-0.5	-0.3	-0.5	26,494	26,334	25,818	25,815	+2.6
Defense products	20,549	20,492	20,568	+0.3	-0.4	+0.4	20,377	19,914	19,815	21,392	-4.7
Other materials, supplies and and intermediate products	142,647	142,422	142,025	+0.2	+0.3	-0.1	143,608	142,568	140,082	135,620	+5.9
able goods industries :											
Nondefense capital goods [3]	102,138	101,560	99,721	+0.6	+1.8	+0.4	102,825	100,850	96,221	92,734	+10.9
Excluding aircraft and parts	72,807	72,665	71,748	+0.2	+1.3	+0.4	73,245	72,110	68,867	66,654	+9.9
Defense capital goods [4]	20,935	20,881	20,879	+0.3	0.0	0.0	20,757	20,221	19,992	22,097	-6.1
Durables excluding capital goods	144,167	144,089	143,316	+0.1	+0.5	0.0	145,361	144,089	140,682	138,772	+4.7
cellaneous series :											
Producers' durable equipment	168,320	167,731	165,686	+0.4	+1.2	+0.2	169,674	166,853	160,785	157,823	+7.5
Household durable goods	15,355	15,207	15,065	+1.0	+0.9	+0.6	15,481	15,057	14,423	14,706	+5.3
nformation technology industries	39,647	39,639	38,943	0.0	+1.8	+0.8	39,877	39,351	37,216	35,225	+13.2
Health care equipment and products	13,851	13,795	13,617	+0.4	+1.3	+1.6	13,699	13,445	13,256	13,014	+5.3

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Feb. 1995	Feb. 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	139,035	138,692	137,954	+0.2	+0.5	-0.3	139,227	139,498	137,855	131,170	+6.1
Durable goods industries	81,880	81,560	80,902	+0.4	+0.8	-0.2	82,116	82,255	80,834	76,688	+7.1
Stone, clay, and glass products	2,806	2,801	2,778	+0.2	+0.8	-3.0	2,797	2,809	2,780	2,675	+4.6
Primary metals	6,753	6,736	6,716	+0.3	+0.3	-1.0	6,699	6,835	6,930	6,739	-0.6
Fabricated metal products	8,701	8,576	8,394	+1.5	+2.2	-1.0	8,731	8,664	8,534	8,625	+1.2
Industrial machinery and equipment	18,880	18,767	18,670	+0.6	+0.5	0.0	19,060	18,898	18,355	17,480	+9.0
Electronic and other electrical equipment	16,376	16,400	16,497	-0.1	-0.6	-0.5	16,329	16,462	16,286	14,044	+16.3
Transportation equipment	10,381	10,422	10,014	-0.4	+4.1	+0.7	10,418	10,418	9,960	10,476	-0.6
Instruments and related products	7,417	7,339	7,243	+1.1	+1.3	+0.4	7,382	7,332	7,125	6,756	+9.3
Lumber, furniture and miscellaneous durable goods	10,566	10,519	10,590	+0.4	-0.7	+0.2	10,700	10,837	10,864	9,893	+8.2
Nondurable goods industries	57,155	57,132	57,052	0.0	+0.1	-0.4	57,111	57,243	57,021	54,482	+4.8
Food and kindred products	10,628	10,555	10,562	+0.7	-0.1	+0.5	10,762	10,872	10,774	10,253	+5.0
Tobacco products	4,736	4,723	4,713	+0.3	+0.2	+0.6	5,061	5,084	4,970	4,992	+1.4
Textile mill products	3,070	3,026	3,024	+1.5	+0.1	-0.4	3,079	2,996	2,960	2,904	+6.0
Paper and allied products	8,018	8,023	8,153	-0.1	-1.6	-1.8	7,962	7,949	8,149	7,349	+8.3
Chemicals and allied products	11,680	11,658	11,600	+0.2	+0.5	-1.1	11,641	11,619	11,561	11,423	+1.9
Petroleum and coal products	3,516	3,562	3,503	-1.3	+1.7	+3.6	3,379	3,375	3,368	2,887	+17.0
Rubber and plastics products	4,979	4,971	4,979	+0.2	-0.2	-2.1	4,996	4,947	4,999	5,287	-5.5
Apparel, printing and publishing and leather goods	10,528	10,614	10,518	-0.8	+0.9	-0.5	10,231	10,401	10,240	9,387	+9.0
WORK IN PROCESS											
All manufacturing industries	137,249	137,121	135,585	+0.1	+1.1	+0.5	137,170	135,696	131,105	131,253	+4.5
Durable goods industries	112,259	112,089	110,769	+0.2	+1.2	+0.5	112,356	110,741	106,972	107,199	+4.8
Stone, clay, and glass products	1,326	1,300	1,293	+2.0	+0.5	-1.9	1,367	1,258	1,205	1,250	+9.4
Primary metals	8,356	8,400	8,370	-0.5	+0.4	+0.7	8,340	8,330	8,219	7,787	+7.1
Fabricated metal products	7,599	7,603	7,835	-0.1	-3.0	-1.6	7,595	7,575	7,635	7,850	-3.2
Industrial machinery and equipment	20,581	20,263	19,855	+1.6	+2.1	+1.4	20,388	19,716	18,845	19,047	+7.0
Electronic and other electrical equipment	17,753	18,158	17,840	-2.2	+1.8	+2.9	17,879	18,155	17,112	16,851	+6.1
Transportation equipment	42,023	41,634	40,975	+0.9	+1.6	-0.3	42,088	41,286	39,889	39,884	+5.5
Instruments and related products	9,656	9,713	9,628	-0.6	+0.9	+0.7	9,735	9,431	9,231	9,443	+3.1
Lumber, furniture and miscellaneous durable goods	4,965	5,018	4,973	-1.1	+0.9	-1.7	4,964	4,990	4,836	5,087	-2.4
Nondurable goods industries	24,990	25,032	24,816	-0.2	+0.9	+0.3	24,814	24,955	24,133	24,054	+3.2
Food and kindred products	4,295	4,279	4,230	+0.4	+1.2	+0.1	4,250	4,485	4,514	3,921	+8.4
Tobacco products	176	193	194	-8.8	-0.5	+1.0	173	210	191	191	-9.4
Textile mill products	2,721	2,770	2,784	-1.8	-0.5	-0.7	2,726	2,779	2,648	2,630	+3.7
Paper and allied products	1,628	1,622	1,582	+0.4	+2.5	+4.0	1,609	1,621	1,549	1,283	+25.4
Chemicals and allied products	5,850	5,774	5,715	+1.3	+1.0	+1.2	5,866	5,738	5,587	5,338	+9.9
Petroleum and coal products	2,238	2,338	2,291	-4.3	+2.1	+6.6	2,175	2,266	2,133	2,439	-10.8
Rubber and plastics products	2,033	2,023	2,016	+0.5	+0.3	-1.6	2,066	2,062	1,998	2,061	+0.2
Apparel, printing and publishing and leather goods	6,049	6,033	6,004	+0.3	+0.5	-2.5	5,949	5,794	5,513	6,191	-3.9
FINISHED GOODS											
All manufacturing industries	145,992	145,504	144,988	+0.3	+0.4	+0.5	147,737	143,994	139,544	139,306	+6.1
Durable goods industries	73,101	72,881	72,245	+0.3	+0.9	+0.1	74,471	72,164	69,089	69,716	+6.8
Stone, clay, and glass products	4,106	4,141	4,163	-0.8	-0.5	+0.4	4,183	4,130	4,033	4,060	+3.0
Primary metals	6,696	6,732	6,767	-0.5	-0.5	+0.5	6,837	6,723	6,583	6,897	-0.9
Fabricated metal products	8,573	8,527	8,541	+0.5	-0.2	0.0	8,706	8,316	7,997	8,417	+3.4
Industrial machinery and equipment	16,169	16,182	15,789	-0.1	+2.5	-0.5	16,823	16,489	15,365	15,226	+10.5
Electronic and other electrical equipment	13,268	13,181	13,075	+0.7	+0.8	+1.3	13,164	12,821	12,254	11,343	+16.1
Transportation equipment	8,227	8,053	7,852	+2.2	+2.6	-1.0	8,528	7,929	7,399	8,286	+2.9
Instruments and related products	6,112	6,070	6,025	+0.7	+0.7	+0.4	5,997	5,791	5,867	5,598	+7.1
Lumber, furniture and miscellaneous durable goods	9,950	9,995	10,033	-0.5	-0.4	-0.3	10,233	9,965	9,591	9,889	+3.5
Nondurable goods industries	72,891	72,623	72,743	+0.4	-0.2	+1.0	73,266	71,830	70,455	69,590	+5.3
Food and kindred products	16,725	16,604	16,802	+0.7	-1.2	0.0	16,801	16,588	16,569	17,128	-1.9
Tobacco products	612	654	663	-6.4	-1.4	+2.3	726	703	673	876	-17.1
Textile mill products	4,595	4,597	4,648	0.0	-1.1	-0.3	4,686	4,530	4,324	4,516	+3.8
Paper and allied products	7,235	7,185	7,092	+0.7	+1.3	+3.5	7,352	7,154	6,839	5,670	+29.7
Chemicals and allied products	18,511	18,503	18,609	0.0	-0.6	+1.4	18,949	18,553	18,471	18,383	+3.1
Petroleum and coal products	5,583	5,448	5,401	+2.5	+0.9	+5.3	5,472	5,286	5,124	5,400	+1.3
Rubber and plastics products	6,885	6,907	6,918	-0.3	-0.2	-0.3	7,082	6,921	6,711	6,700	+5.7
Apparel, printing and publishing and leather goods	12,745	12,725	12,610	+0.2	+0.9	-0.2	12,198	12,095	11,744	10,917	+11.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Nov. 1995	Feb. 1996[p]	Jan. 1996[r]	Dec. 1995	Nov. 1995
All manufacturing industries	1.39	1.40	1.37	1.37	2.83	2.87	2.75	2.75
Durable goods industries	1.62	1.64	1.59	1.60	3.40	3.46	3.31	3.31
Stone, clay, and glass products	1.13	1.10	1.11	1.13	1.16	1.13	1.14	1.15
Primary metals	1.52	1.52	1.50	1.48	2.01	1.98	1.96	1.92
Fabricated metal products	1.56	1.52	1.55	1.58	1.43	1.40	1.43	1.47
Industrial machinery and equipment	1.67	1.72	1.67	1.70	2.36	2.44	2.37	2.44
Electronic and other electrical equipment	1.71	1.77	1.68	1.68	1.95	2.03	1.93	1.99
Transportation equipment	1.58	1.61	1.51	1.51	12.17	12.65	11.17	10.83
Instruments and related products	1.95	1.99	1.93	1.93	3.90	3.96	3.86	3.87
Nondurable goods industries	1.11	1.11	1.10	1.11	0.67	0.67	0.64	0.67
Food and kindred products	0.84	0.82	0.83	0.84	(X)	(X)	(X)	(X)
Tobacco products	1.82	1.83	1.96	1.84	(X)	(X)	(X)	(X)
Textile mill products	1.74	1.78	1.73	1.72	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.28	1.25	1.22	1.20	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.19	1.17	1.17	1.17	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.82	0.84	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.39	1.42	1.39	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1996	Feb.[2] 1991-1995	Feb. 1995-Jan. 1996	Feb.[1] 1996	Feb.[2] 1991-1995	Feb. 1995-Jan. 1996	Feb.[1] 1996	Feb.[2] 1991-1995	Feb. 1995-Jan. 1996	Feb.[1] 1996	Feb.[2] 1991-1995	Feb. 1995-Jan. 1996
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.0	0.1
Durable goods industries	0.3	0.1	0.2	0.2	0.3	0.4	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.4	0.6	(X)	1.2	1.2	(X)	1.0	0.7	(X)	0.2	0.1
Primary metals	0.2	0.3	0.4	0.5	0.7	0.9	0.2	0.4	0.3	(X)	0.0	0.2
Fabricated metal products	(X)	0.4	0.3	(X)	1.0	0.5	(X)	0.5	0.4	(X)	0.2	0.2
Industrial machinery and equipment	1.5	0.1	0.4	1.5	0.4	0.6	0.1	0.1	0.2	(X)	0.0	0.1
Electronic and other electrical equipment	0.3	0.2	0.3	-0.4	0.4	0.6	-0.4	0.2	0.3	(X)	0.0	0.0
Transportation equipment	0.0	0.3	0.5	-0.1	0.7	1.3	0.0	0.1	0.2	(X)	0.0	0.3
Instruments and related products	(X)	0.1	0.3	(X)	1.9	0.7	(X)	0.4	0.2	(X)	0.4	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.3
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
Petroleum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	1.1	0.1	0.4	0.7	0.4	0.7	0.0	0.1	0.1	(X)	0.0	0.2
Defense	0.3	0.4	0.7	-1.4	3.7	4.8	-0.2	0.2	0.2	(X)	0.2	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

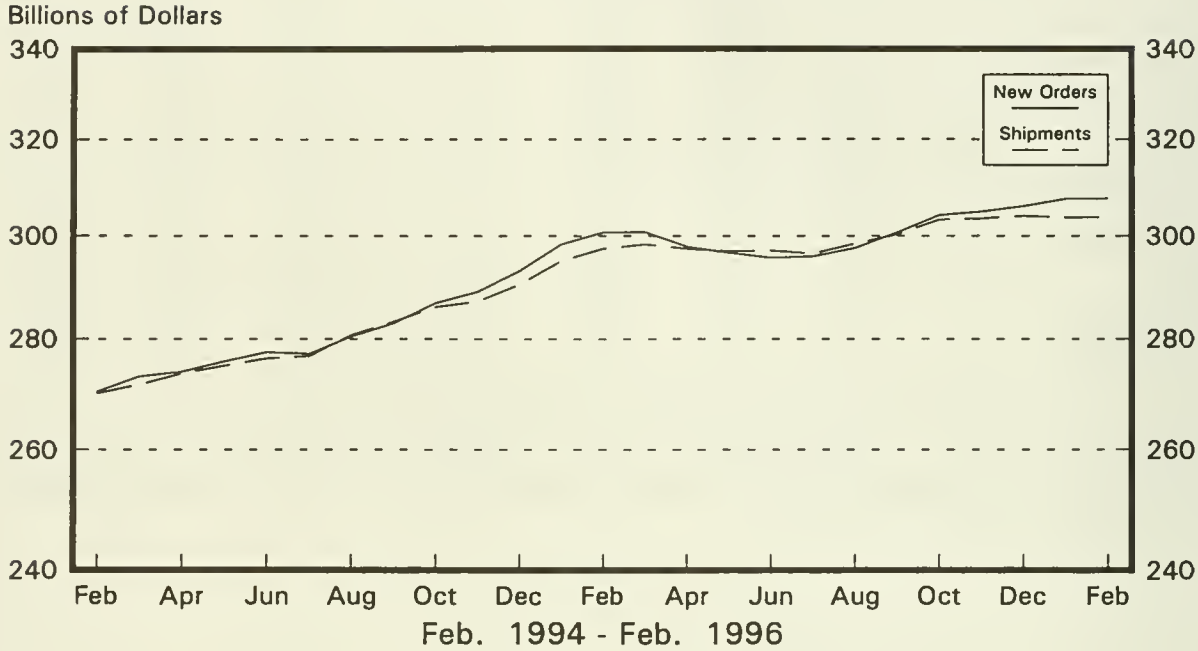
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

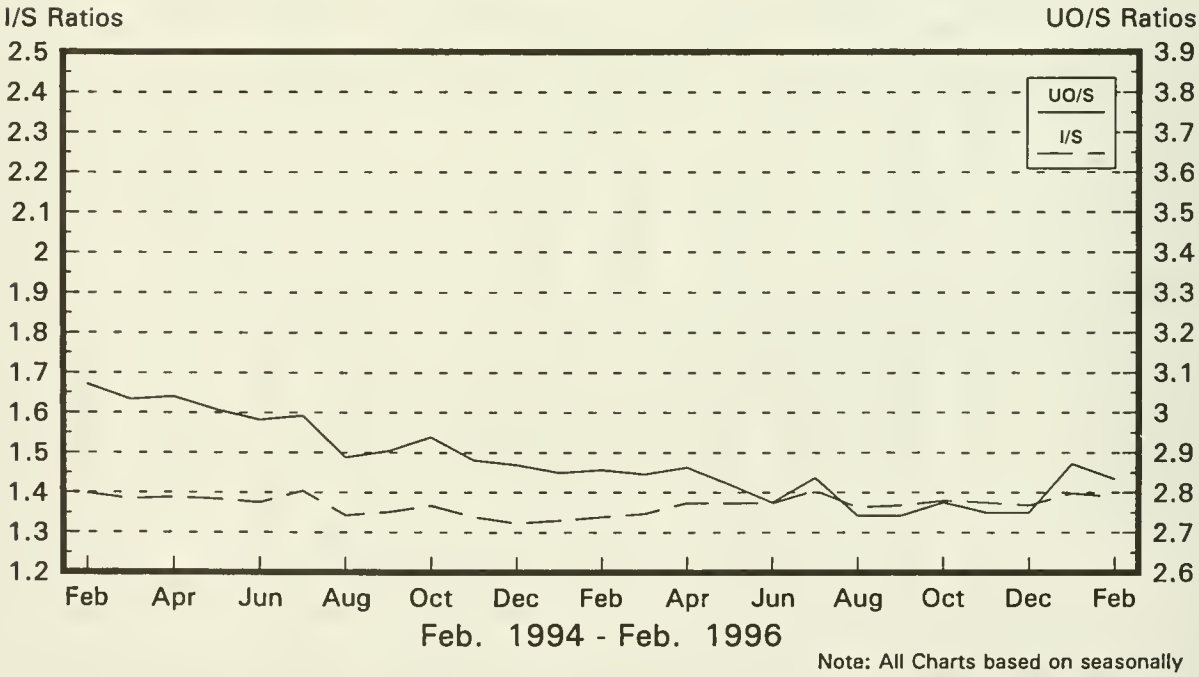
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

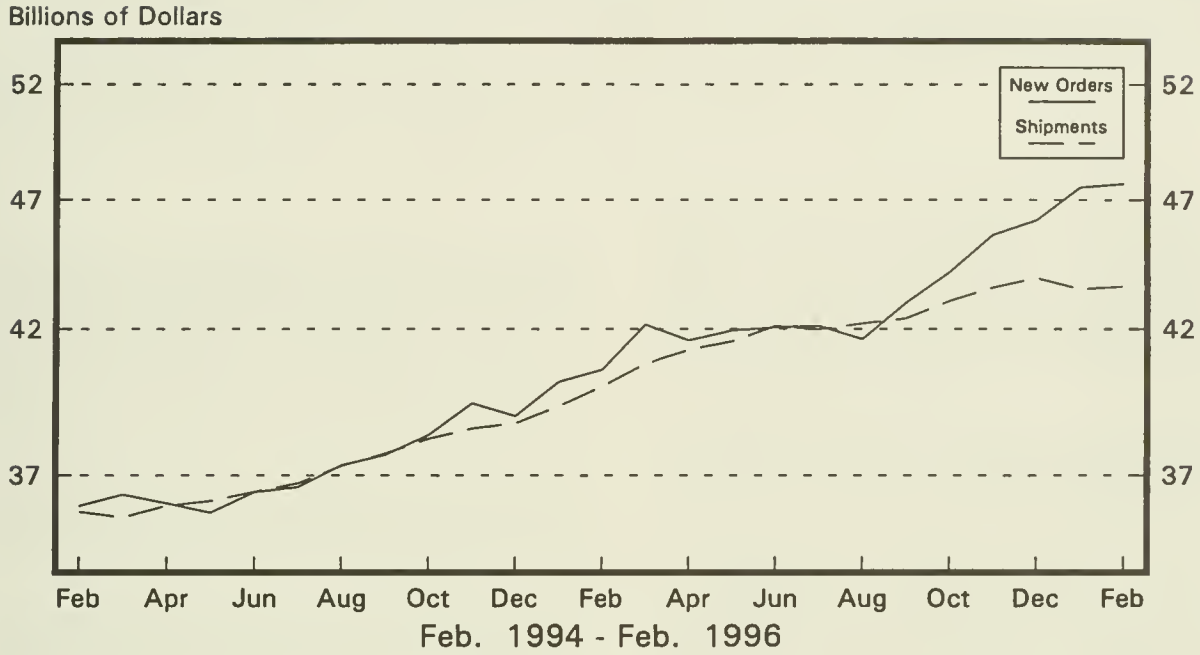
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

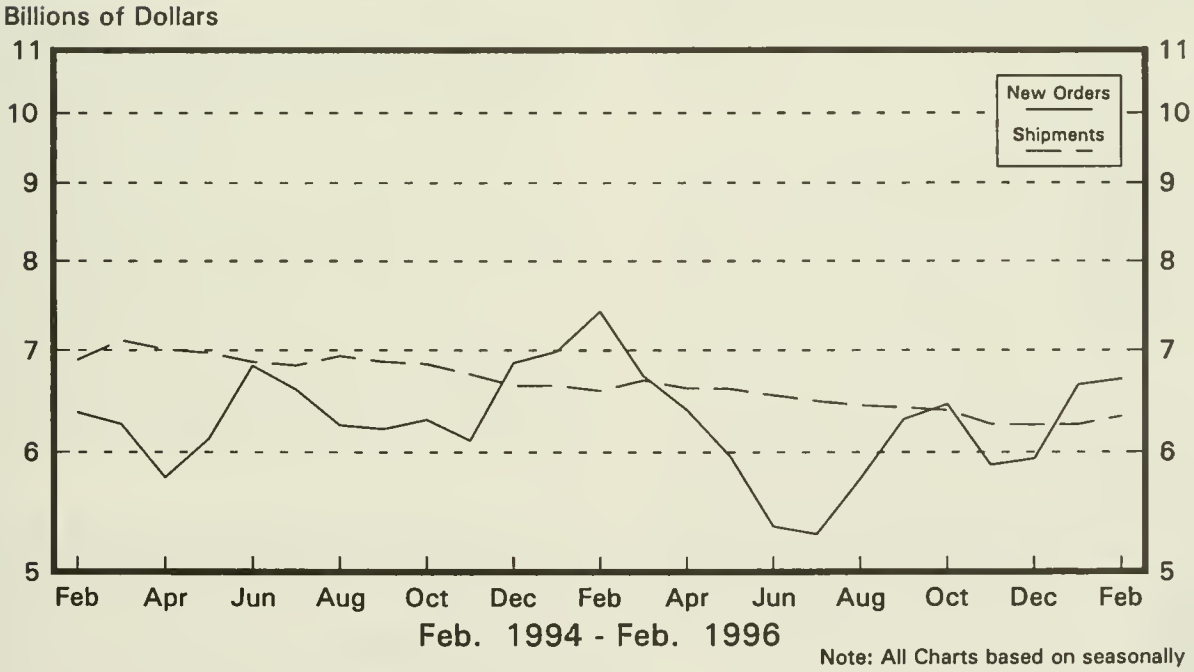
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased $4.7 billion or 1.5 percent to $309.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.5 percent February decline and is the first increase since December. Excluding transportation, new orders decreased 0.3 percent, the first decline since November. Year to date, new orders are 2.2 percent above the same period a year ago.

Shipments, up for the second consecutive month, increased $0.3 billion or 0.1 percent to $304.1 billion, following a 0.8 percent February increase. Year to date, shipments are 1.6 percent above the same period a year ago.

Unfilled orders, up for the seventh consecutive month, increased $4.8 billion or 1.0 percent to $479.8 billion, following a 0.1 percent February increase. The unfilled orders-to-shipments ratio was 2.86, up from 2.84 in February.

Inventories increased $0.2 billion to $422.4 billion, the eighteenth consecutive monthly increase and the twenty-fifth in the last twenty-seven months. The inventories-to-shipments ratio was 1.39, unchanged from February.

New Orders

New orders for manufactured durable goods in March increased $4.1 billion or 2.5 percent to $169.1 billion, revised from the previously published 1.4 percent increase. This follows a 2.5 percent February decline and is the first increase since December. Excluding transportation, new orders decreased $1.4 billion or 1.1 percent to $125.7 billion, the first decrease since November.

Transportation equipment, up for the first month since December, had the largest increase, $5.5 billion or 14.5 percent to $43.4 billion, as a large increase in aircraft and parts more than offset a decline in motor vehicles and parts. This follows a 12.4 percent February decrease. Electronic and other electrical equipment, up for the first month since December, increased $1.2 billion or 4.6 percent to $28.0 billion, following a 2.1 percent February decline. Stone, clay and glass products, up four of the last five months, increased $0.1 billion or 1.9 percent to $7.4 billion, following a 2.9 percent February decrease. Industrial machinery and equipment, down for the first month since December, decreased $1.5 billion or 4.4 percent to $32.8 billion. This follows a 4.5 percent February increase. Instruments and related products, down two of the last three months, decreased $1.1 billion or 8.8 percent to $11.3 billion, following a 5.4 percent February increase. Primary metals, down for the fifth consecutive month, decreased $0.6 billion or 4.3 percent to $13.8 billion, following a 0.1 percent February decrease.

New orders for nondurable goods, up five of the last six months, increased $0.6 billion or 0.4 percent to $139.9 billion, following a 0.2 percent February decrease. Increases in petroleum and coal products and printing and publishing more than offset a large decrease in paper and allied products.

Shipments

Shipments of durable goods in March decreased $0.7 billion or 0.4 percent to $163.6 billion, revised from the previously published 0.6 percent decrease. This follows a 1.3 percent February increase and is the second decrease in the last three months.

Transportation equipment, down two of the last three months, had the largest decrease, $1.3 billion or 3.5 percent to $36.5 billion, due to motor vehicles and parts. This follows a 1.2 percent February increase. Industrial machinery and equipment, down two of the last three months, decreased $0.3 billion or 0.9 percent to $33.2 billion, following a 4.6 percent February increase. Primary metals, down for the sixth consecutive month, decreased $0.2 billion or 1.1 percent to $14.1 billion. Instruments and related products, down two of the last three months, decreased $0.1 billion or 1.2 percent to $11.7 billion. Electronic and other electrical equipment, up four of the last five months, increased $0.5 billion or 1.7 percent to $28.1 billion, following a 2.5 percent February increase.

Shipments of nondurable goods, up four of the last five months, increased $1.0 billion or 0.7 percent to $140.5 billion, following a 0.2 percent February increase. Petroleum and coal products, up for the fifth consecutive month, had the largest increase, $0.7 billion or 5.2 percent to $15.0 billion. Printing and publishing also increased.

Unfilled Orders

Unfilled orders for durable goods in March increased $5.5 billion or 1.2 percent to $457.4 billion, revised from the previously published 1.0 percent increase. This follows a 0.2 percent February increase and is the seventh consecutive monthly increase.

Transportation equipment, up for the fifth consecutive month, increased $6.9 billion or 3.3 percent to $218.6 billion, due to aircraft and parts. This follows a 0.1 percent February increase and is the largest since the matching 3.3 percent December 1989 increase. Industrial machinery and equipment, down for the first month since December, decreased $0.5 billion or 0.6 percent to $73.8 billion. This follows a 1.0 percent February increase. Primary metals decreased $0.4 billion or 1.2 percent to $28.3 billion, following a 0.4 percent February increase. Instruments and related products, down for the first month since September, decreased $0.3 billion or 0.7 percent to $46.3 billion. Electronic and other electrical equipment, down four of the last five months, decreased $0.1 billion or 0.2 percent to $53.9 billion, following a 1.6 percent February decrease.

Inventories

Inventories of durable goods in March, up for the eighteenth consecutive month, increased $0.3 billion or 0.1 percent to $267.6 billion, following a 0.3 percent February increase. Transportation equipment, up for the third consecutive month, had the largest increase, $0.4 billion or 0.7 percent to $61.2 billion, following a 1.2 percent February increase. Instruments and related products, up for the tenth consecutive month, increased $0.2 billion or 1.0 percent to $23.4 billion following a 0.4 percent February increase. Primary metals, up for the fourth consecutive month, increased $0.2 billion or 0.9 percent to $22.1 billion, following a 0.1 percent February increase. Industrial machinery and equipment, down for the first month since June, decreased $0.2 billion or 0.4 percent to $55.2 billion. Fabricated metal products, down seven of the last eight months, decreased $0.1 billion or 0.6 percent to $24.7 billion.

Inventories of nondurable goods decreased $0.2 billion or 0.1 percent to $154.8 billion, following three consecutive increases. A decline in printing and publishing and apparel and related products more than offset increases in petroleum and coal products and chemical and allied products.

By stage of fabrication, March finished goods decreased 0.3 percent in durables and increased 0.4 percent in nondurables. Work in process increased 0.4 percent in durables and declined 0.2 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.7 percent in nondurables.

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The advance report on durable goods for April is scheduled for May 24, 1996 at 8:30 a.m. and the full report on June 4, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95	1996[p]	1995
All manufacturing industries	304,105	303,812	301,417	+0.1	+0.8	-1.5	319,301	301,631	271,814	313,519	+1.8	892,746	877,452
Manufacturing Industries													
with unfilled orders	167,714	167,481	165,224	+0.1	+1.4	-2.7	178,656	164,857	146,631	173,633	+2.9	490,144	477,184
without defense capital goods	297,671	297,535	295,117	0.0	+0.8	-1.5	312,422	295,599	266,624	306,509	+1.9	874,645	858,542
Durable goods industries	163,578	164,254	162,126	-0.4	+1.3	-2.3	176,319	164,940	143,456	174,202	+1.2	484,715	477,865
With unfilled orders	132,826	132,741	130,411	+0.1	+1.8	-2.8	143,458	130,665	114,597	138,707	+3.4	388,720	376,784
Stone, clay, and glass products	7,452	7,329	7,498	+1.7	-2.3	+1.3	7,322	6,753	6,435	6,951	+5.3	20,510	19,675
Primary metals	14,106	14,269	14,422	-1.1	-1.1	-1.2	14,819	14,684	13,707	16,123	-8.1	43,210	46,082
Blast furnaces, steel mills	5,893	6,036	6,114	-2.4	-1.3	+0.2	6,211	6,291	5,916	6,918	-10.2	18,418	19,602
Iron and steel foundries	1,283	1,291	1,299	-0.6	-0.6	-1.6	1,366	1,345	1,223	1,419	-3.7	3,934	4,091
Nonferrous and other primary metals	6,930	6,942	7,009	-0.2	-1.0	-2.2	7,242	7,048	6,568	7,786	-7.0	20,858	22,389
Fabricated metal products	15,848	15,947	16,232	-0.6	-1.8	+1.9	16,625	16,052	14,793	16,547	+0.5	47,470	47,144
Industrial machinery and equipment	33,221	33,534	32,058	-0.9	+4.6	-1.5	38,958	32,763	26,892	35,220	+10.6	98,613	89,249
Engines and turbines	1,864	1,869	1,861	-0.3	+0.4	+7.0	2,108	1,836	1,512	1,999	+5.5	5,456	5,449
Farm and garden machinery	1,932	1,937	1,906	-0.3	+1.6	+4.9	2,632	2,348	1,714	2,524	+4.3	6,694	6,436
Construction, mining and material handling equipment	3,489	3,370	3,392	+3.5	-0.6	-7.3	3,859	3,526	3,096	3,435	+12.3	10,481	9,600
Metalworking machinery	3,485	3,544	3,258	-1.7	+8.8	-3.2	3,729	3,464	2,670	3,539	+5.4	9,863	9,498
Computer and office equipment	9,819	10,278	8,877	-4.5	+15.8	-3.9	12,559	9,016	6,473	10,641	+18.0	28,048	23,330
Electronic and other electrical equipment	28,140	27,678	27,013	+1.7	+2.5	-4.5	29,689	26,717	23,570	26,568	+11.7	79,976	72,061
Electrical transmission and distribution equipment and industrial apparatus	2,777	2,756	2,832	+0.8	-2.7	-3.0	3,039	2,838	2,478	3,202	-5.1	8,355	8,568
Household appliances	2,033	1,928	1,935	+5.4	-0.4	+0.7	2,212	1,827	1,653	2,009	+10.1	5,692	5,441
Electric lighting and wiring equipment	1,969	1,931	1,938	+2.0	-0.4	+0.1	2,117	2,004	1,735	2,076	+2.0	5,856	5,811
Household audio and video equipment	1,195	1,171	1,109	+2.0	+5.6	-7.8	1,133	1,066	906	1,057	+7.2	3,105	3,006
Communications equipment	7,018	6,719	6,306	+4.5	+6.5	-10.7	7,664	6,111	5,104	6,328	+21.1	18,879	16,313
Electronic components	10,940	10,816	10,708	+1.1	+1.0	-3.1	11,400	10,618	9,828	9,798	+16.4	31,846	26,925
Transportation equipment	36,481	37,787	37,349	-3.5	+1.2	-4.1	39,264	40,914	33,550	43,438	-9.6	113,728	121,487
Motor vehicles and parts	25,181	27,197	27,517	-7.4	-1.2	0.0	26,957	30,685	25,642	30,988	-13.0	83,284	88,542
Aircraft, missiles, space vehicles, and parts	8,216	7,690	7,233	+6.8	+6.3	-13.0	8,938	7,363	5,610	9,183	-2.7	21,911	24,293
Shipbuilding and tanks	790	854	815	-7.5	+4.8	+0.5	841	843	690	942	-10.7	2,374	2,526
Instruments and related products	11,666	11,812	11,636	-1.2	+1.5	-2.1	12,399	11,506	10,310	12,341	+0.5	34,215	33,673
Search and navigation equipment	2,366	2,461	2,480	-3.9	-0.8	+2.1	2,544	2,448	2,102	2,841	-10.5	7,094	7,571
Measuring and controlling devices	3,783	3,834	3,676	-1.3	+4.3	-11.7	4,142	3,754	3,348	4,074	+1.7	11,244	10,728
Medical instruments and supplies	3,254	3,252	3,133	+0.1	+3.8	-2.2	3,475	3,213	2,891	3,293	+5.5	9,579	9,226
Photographic goods	1,839	1,859	1,928	-1.1	-3.6	+15.4	1,802	1,711	1,597	1,728	+4.3	5,110	5,014
All other durable goods	16,664	15,898	15,918	+4.8	-0.1	-2.5	17,243	15,551	14,199	17,014	+1.3	46,993	48,494
Nondurable goods industries	140,527	139,558	139,291	+0.7	+0.2	-0.5	142,982	136,691	128,358	139,317	+2.6	408,031	399,587
With unfilled orders	34,888	34,740	34,813	+0.4	-0.2	-2.4	35,198	34,192	32,034	34,926	+0.8	101,424	100,400
Food and kindred products	37,804	37,816	38,260	0.0	-1.2	+1.1	38,401	36,933	35,278	36,681	+4.7	110,612	105,348
Meat products	8,930	8,701	8,655	+2.6	+0.5	-2.7	8,859	8,431	8,089	7,983	+11.0	25,379	23,504
Dairy products	4,826	4,803	4,977	+0.5	-3.5	+0.3	4,923	4,724	4,714	4,803	+2.5	14,361	13,98
Beverages	5,603	5,588	5,686	+0.3	-1.7	+3.2	5,564	5,017	4,871	5,311	+4.8	15,452	14,53
All other foods, except fats and oils	16,498	16,462	16,879	+0.2	-2.5	+2.8	17,108	16,499	15,541	16,484	+3.8	49,148	47,29
Tobacco products	2,949	3,017	3,040	-2.3	-0.8	+7.2	2,952	2,851	2,648	2,936	+0.5	8,451	8,17
Textile mill products	6,066	6,006	5,838	+1.0	+2.9	-3.6	6,414	5,837	4,993	6,740	-4.8	17,244	18,45
Broadwoven fabrics and other textiles	3,747	3,678	3,668	+1.9	+0.3	-0.9	4,054	3,643	3,213	4,289	-5.5	10,910	11,76
Paper and allied products	13,043	13,218	13,442	-1.3	-1.7	-2.3	13,242	13,247	12,879	13,719	-3.5	39,368	39,83
Pulp, paper, and paperboard mill products	5,152	5,297	5,476	-2.7	-3.3	-5.0	5,234	5,306	5,236	5,968	-12.3	15,776	17,09
Paperboard containers and boxes	3,590	3,659	3,718	-1.9	-1.6	+0.2	3,612	3,626	3,554	3,698	-2.3	10,792	10,67
Miscellaneous converted paper products	4,301	4,262	4,248	+0.9	+0.3	-0.8	4,396	4,315	4,089	4,053	+8.5	12,800	12,06
Chemicals and allied products	30,314	30,259	30,596	+0.2	-1.1	-0.6	32,111	29,998	29,122	32,372	-0.8	91,231	91,75
Industrial chemicals	15,892	15,843	15,936	+0.3	-0.6	-1.4	16,623	16,030	15,202	17,607	-5.6	47,855	50,68
Drugs, soaps, and toiletries	11,016	10,801	10,896	+2.0	-0.9	-1.1	11,545	10,381	10,607	10,690	+8.0	32,533	30,59
Petroleum and coal products	15,006	14,262	13,919	+5.2	+2.5	+3.8	13,894	12,961	12,451	11,847	+17.3	39,306	35,27
Rubber and plastics products	10,033	10,016	9,817	+0.2	+2.0	-2.0	10,666	10,092	9,107	10,680	-0.1	29,865	30,29
All other nondurable goods	25,312	24,964	24,379	+1.4	+2.4	-3.5	25,302	24,772	21,880	24,342	+3.9	71,954	70,45

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95	1996[p]	1995
ll manufacturing industries	308,952	304,281	308,839	+1.5	-1.5	-0.2	325,996	303,942	286,088	316,242	+3.1	916,026	893,847
nufacturing industries													
th unfilled orders	172,561	167,950	172,646	+2.7	-2.7	-0.4	185,351	167,168	160,905	176,356	+5.1	513,424	493,579
thout defense capital goods	299,338	298,496	301,323	+0.3	-0.9	-0.3	313,631	298,999	279,222	307,308	+2.1	891,852	873,613
able goods industries	169,075	164,980	169,238	+2.5	-2.5	-0.6	183,043	167,205	156,982	176,497	+3.7	507,230	492,515
ith unfilled orders	138,323	133,467	137,523	+3.6	-2.9	-0.7	150,182	132,930	128,123	141,002	+6.5	411,235	391,434
e, clay, and glass products	7,443	7,304	7,520	+1.9	-2.9	+1.2	7,183	7,104	6,569	6,755	+6.3	20,856	20,065
ary metals	13,754	14,372	14,390	-4.3	-0.1	-2.8	15,171	15,601	15,105	16,873	-10.1	45,877	49,292
last furnaces, steel mills	5,579	5,877	6,143	-5.1	-4.3	-4.3	6,129	6,705	6,852	7,402	-17.2	19,686	21,539
on and steel foundries	1,307	1,533	1,397	-14.7	+9.7	+10.0	1,406	1,640	1,461	1,402	+0.3	4,507	4,355
onferrous and other primary metals	6,868	6,962	6,850	-1.4	+1.6	-3.7	7,636	7,256	6,792	8,069	-5.4	21,684	23,398
icated metal products	15,785	15,984	16,220	-1.2	-1.5	+3.4	16,645	16,238	15,001	16,655	-0.1	47,884	47,969
strial machinery and equipment	32,758	34,266	32,792	-4.4	+4.5	+3.2	37,348	33,856	28,814	35,741	+4.5	100,018	93,806
gines and turbines	1,579	1,895	1,979	-16.7	-4.2	+28.6	1,490	1,676	1,505	1,761	-15.4	4,671	4,735
onstruction, mining and aterial handling equipment	3,385	3,788	3,425	-10.6	+10.6	-9.0	3,866	4,065	3,350	3,771	+2.5	11,281	10,601
etalworking machinery	3,513	3,790	3,463	-7.3	+9.4	+19.6	3,757	3,710	2,875	3,948	-4.8	10,342	10,582
mputer and office equipment	9,645	10,016	8,725	-3.7	+14.8	-3.4	12,140	9,007	6,222	10,612	+14.4	27,369	24,031
ronic and other ctrical equipment	28,033	26,799	27,381	+4.6	-2.1	-0.6	28,542	26,006	26,176	27,159	+5.1	80,724	76,249
ectrical transmission and stribution equipment and dustrial apparatus	2,850	2,870	2,787	-0.7	+3.0	-2.1	3,094	2,971	2,484	3,112	-0.6	8,549	8,850
ectric lighting and viring equipment	1,986	1,979	2,049	+0.4	-3.4	+0.1	2,134	2,052	1,846	2,078	+2.7	6,032	6,042
mmunications equipment	7,644	6,975	6,932	+9.6	+0.6	+6.4	8,278	6,393	5,696	7,231	+14.5	20,367	17,488
ectronic components	10,160	9,482	10,036	+7.2	-5.5	-5.8	9,849	9,380	10,995	9,751	+1.0	30,224	29,771
sportation equipment	43,382	37,900	43,286	+14.5	-12.4	-3.0	48,438	40,643	40,245	44,351	+9.2	129,326	122,547
ircraft, missiles, space vehicles, and parts	15,632	8,372	12,193	+86.7	-31.3	-13.3	18,520	7,525	11,073	10,603	+74.7	37,118	25,119
hipbuilding and tanks	529	577	1,687	-8.3	-65.8	+114.9	693	601	1,598	479	+44.7	2,892	2,455
uments and related products	11,320	12,406	11,770	-8.8	+5.4	-3.8	12,293	12,014	10,433	11,755	+4.6	34,740	33,272
arch and navigation equipment	2,356	2,822	2,341	-16.5	+20.5	-16.7	2,686	2,706	1,954	2,819	-4.7	7,346	6,992
easuring and controlling devices	3,614	3,841	3,923	-5.9	-2.1	-6.3	3,973	3,761	3,595	3,842	+3.4	11,329	11,132
edical instruments and supplies	2,940	3,382	3,224	-13.1	+4.9	+2.2	3,161	3,343	2,982	2,942	+7.4	9,486	8,872
ther durable goods	16,600	15,949	15,879	+4.1	+0.4	-1.5	17,423	15,743	14,639	17,208	+1.2	47,805	49,315
urable goods industries	139,877	139,301	139,601	+0.4	-0.2	+0.3	142,953	136,737	129,106	139,745	+2.3	408,796	401,332
th unfilled orders	34,238	34,483	35,123	-0.7	-1.8	+0.5	35,169	34,238	32,782	35,354	-0.5	102,189	102,145

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ase from the prior month to the current month.

ote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, n includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further s on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), nufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95
All manufacturing industries	479,783	474,936	474,467	+1.0	+0.1	+1.6	484,637	477,942	475,631	468,163	+3.5
Manufacturing industries without defense capital goods	368,058	366,391	365,430	+0.5	+0.3	+1.7	370,279	369,070	365,670	353,734	+4.7
Durable goods industries	457,413	451,916	451,190	+1.2	+0.2	+1.6	461,974	455,250	452,985	442,098	+4.5
Stone, clay, and glass products	7,991	8,000	8,025	-0.1	-0.3	+0.3	7,986	8,125	7,774	7,904	+1.0
Primary metals	28,257	28,609	28,506	-1.2	+0.4	-0.1	30,149	29,797	28,880	31,069	-3.0
Blast furnaces, steel mills	11,990	12,304	12,463	-2.6	-1.3	+0.2	12,937	13,019	12,605	12,588	+2.8
Iron and steel foundries	4,013	3,989	3,747	+0.6	+6.5	+2.7	4,113	4,073	3,778	3,951	+4.1
Nonferrous and other primary metals	12,254	12,316	12,296	-0.5	+0.2	-1.3	13,099	12,705	12,497	14,530	-9.8
Fabricated metal products	20,943	21,006	20,969	-0.3	+0.2	-0.1	21,105	21,085	20,899	21,317	-1.0
Industrial machinery and equipment	73,760	74,223	73,491	-0.6	+1.0	+1.0	73,807	75,417	74,324	71,753	+2.9
Engines and turbines	10,293	10,578	10,552	-2.7	+0.2	+1.1	10,074	10,692	10,852	9,910	+1.7
Construction, mining and material handling equipment	8,894	8,998	8,580	-1.2	+4.9	+0.4	9,259	9,252	8,713	8,000	+15.7
Metalworking machinery	10,029	10,001	9,755	+0.3	+2.5	+2.1	10,029	10,001	9,755	10,661	-5.9
Computer and office equipment	11,087	11,261	11,523	-1.5	-2.3	-1.3	10,544	10,963	10,972	11,901	-11.4
Electronic and other electrical equipment	53,885	53,992	54,871	-0.2	-1.6	+0.7	53,508	54,655	55,366	50,320	+6.3
Electrical transmission and distribution equipment and industrial apparatus	5,871	5,798	5,684	+1.3	+2.0	-0.8	5,873	5,818	5,685	6,028	-2.6
Electric lighting and wiring equipment	4,019	4,002	3,954	+0.4	+1.2	+2.9	4,019	4,002	3,954	3,874	+3.7
Communications equipment	18,770	18,144	17,888	+3.5	+1.4	+3.6	18,745	18,131	17,849	16,179	+15.9
Electronic components	20,270	21,050	22,384	-3.7	-6.0	-2.9	19,946	21,497	22,735	18,778	+6.2
Transportation equipment	218,610	211,709	211,596	+3.3	+0.1	+2.9	221,067	211,893	212,164	204,234	+8.2
Aircraft, missiles, space vehicles, and parts	189,964	182,548	181,866	+4.1	+0.4	+2.8	192,136	182,554	182,392	171,718	+11.9
Shipbuilding and tanks	16,715	16,976	17,253	-1.5	-1.6	+5.3	16,772	16,920	17,162	18,868	-11.1
Instruments and related products	46,330	46,676	46,082	-0.7	+1.3	+0.3	46,893	46,999	46,491	47,617	-1.5
Search and navigation equipment	29,253	29,263	28,902	0.0	+1.2	-0.5	29,739	29,597	29,339	31,128	-4.5
Measuring and controlling devices	10,191	10,360	10,353	-1.6	+0.1	+2.4	10,191	10,360	10,353	9,653	+5.6
Medical instruments and supplies	5,850	6,164	6,034	-5.1	+2.2	+1.5	5,850	6,164	6,034	5,938	-1.5
All other durable goods	7,637	7,701	7,650	-0.8	+0.7	-0.5	7,459	7,279	7,087	7,884	-5.4
Nondurable goods industries	22,370	23,020	23,277	-2.8	-1.1	+1.3	22,663	22,692	22,646	26,065	-13.1

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95
All manufacturing industries	422,359	422,203	421,317	0.0	+0.2	+0.7	421,606	424,187	419,188	402,074	+4.9
Manufacturing industries with unfilled orders	284,778	284,904	284,524	0.0	+0.1	+0.9	283,339	285,336	281,641	267,102	+6.1
without defense capital goods	401,157	401,208	400,436	0.0	+0.2	+0.7	400,492	403,440	398,967	380,048	+5.4
Durable goods industries	267,597	267,264	266,530	+0.1	+0.3	+1.0	266,935	269,058	265,160	253,082	+5.5
With unfilled orders	245,835	245,399	244,831	+0.2	+0.2	+1.1	244,490	246,136	242,802	230,888	+5.9
Stone, clay, and glass products	8,282	8,272	8,242	+0.1	+0.4	+0.1	8,388	8,400	8,197	8,091	+3.7
Primary metals	22,079	21,879	21,868	+0.9	+0.1	+0.1	22,011	21,884	21,888	21,425	+2.7
Blast furnaces, steel mills	10,842	10,639	10,632	+1.9	+0.1	+0.9	10,647	10,653	10,799	9,990	+6.6
Iron and steel foundries	1,711	1,683	1,640	+1.7	+2.6	-0.7	1,762	1,692	1,626	1,656	+6.4
Nonferrous and other primary metals	9,526	9,557	9,596	-0.3	-0.4	-0.7	9,602	9,539	9,463	9,779	-1.8
Fabricated metal products	24,729	24,871	24,706	-0.6	+0.7	-0.3	25,013	25,085	24,555	25,458	-1.7
Industrial machinery and equipment	55,231	55,443	55,212	-0.4	+0.4	+1.7	54,640	56,211	55,103	50,848	+7.5
Engines and turbines	3,576	3,657	3,731	-2.2	-2.0	-1.1	3,455	3,554	3,529	3,837	-10.0
Farm and garden machinery	2,781	2,751	2,732	+1.1	+0.7	+1.4	2,953	3,049	3,035	2,992	-1.3
Construction, mining and material handling equipment	6,485	6,587	6,543	-1.5	+0.7	+0.4	6,608	6,691	6,531	6,497	+1.7
Metalworking machinery	6,641	6,638	6,626	0.0	+0.2	+3.5	6,521	6,618	6,541	5,843	+11.6
Computer and office equipment	12,811	13,052	13,012	-1.8	+0.3	+3.6	12,119	13,262	12,947	10,422	+16.3
Electronic and other electrical equipment	47,395	47,369	47,739	+0.1	-0.8	+0.7	46,939	47,357	47,438	42,376	+10.8
Electrical transmission and distribution equipment and industrial apparatus	4,618	4,659	4,658	-0.9	0.0	-4.4	4,582	4,610	4,568	4,817	-4.9
Household appliances	2,661	2,738	2,719	-2.8	+0.7	0.0	2,794	2,881	2,701	3,054	-8.5
Electric lighting and wiring equipment	3,225	3,264	3,291	-1.2	-0.8	0.0	3,202	3,254	3,199	3,173	+0.9
Household audio and video equipment	1,870	1,843	1,806	+1.5	+2.0	+6.5	1,784	1,758	1,712	1,368	+30.4
Communications equipment	15,476	15,507	15,773	-0.2	-1.7	+0.7	15,371	15,651	15,799	13,609	+12.9
Electronic components	15,560	15,464	15,614	+0.6	-1.0	+1.9	15,249	15,381	15,687	12,762	+19.5
Transportation equipment	61,248	60,815	60,109	+0.7	+1.2	+2.2	61,410	61,133	59,633	58,691	+4.6
Motor vehicles and parts	12,418	12,122	12,131	+2.4	-0.1	+1.7	12,497	12,247	12,266	12,275	+1.8
Aircraft, missiles, space vehicles, and parts	44,095	43,895	43,215	+0.5	+1.6	+2.3	44,025	43,908	42,562	41,689	+5.6
Shipbuilding and tanks	1,705	1,672	1,678	+2.0	-0.4	-1.0	1,743	1,709	1,662	1,586	+9.9
Instruments and related products	23,449	23,207	23,122	+1.0	+0.4	+1.0	23,241	23,104	22,554	21,711	+7.0
Search and navigation equipment	5,708	5,624	5,716	+1.5	-1.6	+0.3	5,633	5,642	5,539	5,468	+3.0
Measuring and controlling devices	7,707	7,614	7,514	+1.2	+1.3	+1.3	7,692	7,596	7,401	6,871	+11.9
Medical instruments and supplies	6,562	6,552	6,509	+0.2	+0.7	+2.2	6,457	6,507	6,380	5,980	+8.0
Photographic goods	2,601	2,553	2,532	+1.9	+0.8	-0.5	2,588	2,497	2,398	2,510	+3.1
All other durable goods	25,184	25,408	25,532	-0.9	-0.5	-0.3	25,293	25,884	25,792	24,482	+3.3
Nondurable goods industries	154,762	154,939	154,787	-0.1	+0.1	+0.1	154,671	155,129	154,028	148,992	+3.8
With unfilled orders	38,943	39,505	39,693	-1.4	-0.5	+0.1	38,849	39,200	38,839	36,214	+7.3
Food and kindred products	31,658	31,660	31,438	0.0	+0.7	-0.5	31,355	31,800	31,945	30,850	+1.6
Meat products	4,047	4,067	4,028	-0.5	+1.0	+0.6	4,120	4,134	3,971	3,553	+16.0
Dairy products	2,543	2,668	2,781	-4.7	-4.1	-0.2	2,502	2,620	2,730	2,741	-8.7
Beverages	5,423	5,390	5,344	+0.6	+0.9	-0.1	5,477	5,383	5,322	5,367	+2.0
All other foods, except fats and oils	17,610	17,513	17,324	+0.6	+1.1	-1.1	17,099	17,488	17,793	17,549	-2.6
Tobacco products	5,674	5,578	5,570	+1.7	+0.1	0.0	5,782	5,960	5,997	5,566	+3.9
Textile mill products	10,243	10,332	10,393	-0.9	-0.6	-0.6	10,283	10,461	10,305	10,106	+1.8
Broadwoven fabrics and other textiles	5,715	5,758	5,763	-0.7	-0.1	-0.6	5,726	5,848	5,761	5,631	+1.7
Paper and allied products	16,753	16,813	16,830	-0.4	-0.1	0.0	16,853	16,889	16,724	14,691	+14.7
Pulp, paper, and paperboard mill products	7,281	7,237	7,146	+0.6	+1.3	+1.5	7,339	7,305	7,146	5,660	+29.7
Paperboard containers and boxes	4,247	4,314	4,388	-1.6	-1.7	-1.4	4,247	4,334	4,342	3,973	+6.9
Miscellaneous converted paper products	5,225	5,262	5,296	-0.7	-0.6	-0.7	5,267	5,250	5,236	5,058	+4.1
Chemicals and allied products	36,288	36,075	35,935	+0.6	+0.4	0.0	36,578	36,418	35,910	35,063	+4.3
Industrial chemicals	17,861	17,837	17,785	+0.1	+0.3	-0.6	17,879	18,041	17,954	17,106	+4.5
Drugs, soaps, and toiletries	13,592	13,418	13,382	+1.3	+0.3	+0.5	13,456	13,185	12,966	12,903	+4.3
Petroleum and coal products	11,723	11,410	11,348	+2.7	+0.5	+1.4	11,530	11,052	10,927	10,839	+6.4
Rubber and plastics products	13,987	13,918	13,901	+0.5	+0.1	-0.1	14,224	14,157	13,930	14,105	+0.8
All other nondurable goods	28,436	29,153	29,372	-2.5	-0.7	+0.8	28,066	28,392	28,290	27,772	+1.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1996p	Feb. 1996r	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996p	Feb. 1996r	Jan. 1996	Mar. 1995	Mar. 96/95	1996p	1995
SHIPMENTS													
All manufacturing industries	304,105	303,812	301,417	+0.1	+0.8	-1.5	319,301	301,631	271,814	313,519	+1.8	892,746	877,452
Market categories :													
Automotive equipment	13,549	14,314	14,343	-5.3	-0.2	-0.1	14,530	15,870	13,183	15,940	-8.8	43,583	45,312
Home goods and apparel	20,330	19,719	18,844	+3.1	+4.6	-4.6	21,306	19,547	16,251	20,391	+4.5	57,104	56,976
Consumer staples	64,217	63,173	63,703	+1.7	-0.8	+1.0	64,629	60,910	58,975	60,398	+7.0	184,514	174,125
Machinery and equipment	56,578	56,697	54,229	-0.2	+4.6	-4.2	63,142	56,146	45,874	59,676	+5.8	165,162	157,398
Business supplies	23,260	23,162	22,927	+0.4	+1.0	-0.7	23,540	22,760	20,999	22,373	+5.2	67,299	64,422
Construction materials and supplies	18,432	18,157	18,649	+1.5	-2.6	+1.2	18,640	17,317	16,254	18,905	-1.4	52,211	53,780
Defense products	6,865	6,726	6,727	+2.1	0.0	-2.6	7,324	6,534	5,672	7,546	-2.9	19,530	20,618
Other materials, supplies and and intermediate products	100,874	101,864	101,995	-1.0	-0.1	-1.6	106,190	102,547	94,606	108,290	-1.9	303,343	304,821
Durable goods industries :													
Nondefense capital goods [3]	44,709	44,363	41,704	+0.8	+6.4	-6.7	51,027	42,411	34,084	46,926	+8.7	127,522	119,216
Excluding aircraft and parts	40,055	39,901	37,638	+0.4	+6.0	-5.3	45,847	38,096	31,032	41,263	+11.1	114,975	104,665
Defense capital goods [4]	6,434	6,277	6,300	+2.5	-0.4	-0.9	6,879	6,032	5,190	7,010	-1.9	18,101	18,910
Durables excluding capital goods	112,435	113,614	114,122	-1.0	-0.4	-0.7	118,413	116,497	104,182	120,266	-1.5	339,092	339,739
Miscellaneous series :													
Producers' durable equipment	105,048	106,538	103,892	-1.4	+2.5	-2.5	115,580	108,132	91,178	113,667	+1.7	314,890	307,699
Household durable goods	9,277	8,741	8,515	+6.1	+2.7	-2.4	10,011	8,420	7,355	8,935	+12.0	25,786	24,308
Information technology industries	22,640	22,910	20,993	-1.2	+9.1	-6.1	26,359	20,866	16,703	23,042	+14.4	63,928	56,135
Health care equipment and products	9,227	9,113	9,042	+1.3	+0.8	-1.5	9,737	8,856	8,639	9,104	+7.0	27,232	25,853
NEW ORDERS													
All manufacturing industries	308,952	304,281	308,839	+1.5	-1.5	-0.2	325,996	303,942	286,088	316,242	+3.1	916,026	893,847
Market categories :													
Automotive equipment	13,523	14,300	14,395	-5.4	-0.7	+0.4	14,481	15,874	13,300	15,912	-9.0	43,655	45,355
Home goods and apparel	20,584	19,871	18,913	+3.6	+5.1	-3.7	21,814	19,985	17,327	20,500	+6.4	59,126	58,672
Consumer staples	64,166	63,156	63,763	+1.6	-1.0	+1.2	64,541	60,843	59,012	60,379	+6.9	184,396	174,099
Machinery and equipment	60,322	59,116	59,943	+2.0	-1.4	-1.6	66,340	59,105	52,902	60,217	+10.2	178,347	161,875
Business supplies	23,118	22,997	22,946	+0.5	+0.2	0.0	23,464	22,614	21,107	22,486	+4.3	67,185	64,794
Construction materials and supplies	18,395	18,229	18,724	+0.9	-2.6	+1.8	18,633	17,732	16,468	18,834	-1.1	52,833	54,511
Defense products	10,072	6,311	7,841	+59.6	-19.5	+0.7	12,814	5,479	7,087	9,618	+33.2	25,380	22,030
Other materials, supplies and and intermediate products	98,772	100,301	102,314	-1.5	-2.0	-0.1	103,909	102,310	98,885	108,296	-4.1	305,104	312,511
Durable goods industries :													
Nondefense capital goods [3]	48,857	46,605	47,779	+4.8	-2.5	-1.9	54,178	45,023	41,460	47,228	+14.7	140,661	123,861
Excluding aircraft and parts	40,405	41,048	39,178	-1.6	+4.8	+1.4	45,200	39,613	33,873	42,225	+7.0	118,686	110,558
Defense capital goods [4]	9,614	5,785	7,516	+66.2	-23.0	+4.9	12,365	4,943	6,866	8,934	+38.4	24,174	20,234
Durables excluding capital goods	110,604	112,590	113,943	-1.8	-1.2	-0.4	116,500	117,239	108,656	120,335	-3.2	342,395	348,420
Miscellaneous series :													
Producers' durable equipment	107,984	108,919	109,380	-0.9	-0.4	-1.3	117,613	111,305	99,236	113,962	+3.2	328,154	314,404
Household durable goods	9,403	8,776	8,506	+7.1	+3.2	-1.9	10,179	8,542	8,065	9,067	+12.3	26,786	25,010
Information technology industries	22,816	23,038	21,722	-1.0	+6.1	-0.6	26,307	21,265	17,318	23,392	+12.5	64,890	58,174
Health care equipment and products	8,913	9,243	9,133	-3.6	+1.2	+0.1	9,423	8,987	8,729	8,753	+7.7	27,139	25,490

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95
UNFILLED ORDERS											
All manufacturing industries	479,783	474,936	474,467	+1.0	+0.1	+1.6	484,637	477,942	475,631	468,163	+3.5
arket categories :											
Automotive equipment	1,905	1,930	1,944	-1.3	-0.7	+2.8	1,934	1,984	1,980	2,190	-11.7
Home goods and apparel	9,950	9,696	9,545	+2.6	+1.6	+0.7	10,028	9,521	9,082	10,024	0.0
Consumer staples	1,729	1,780	1,797	-2.9	-0.9	+3.5	1,655	1,743	1,809	1,606	+3.1
Machinery and equipment	206,433	202,688	200,269	+1.8	+1.2	+2.9	206,747	203,549	200,590	185,309	+11.6
Business supplies	5,819	5,961	6,126	-2.4	-2.7	+0.3	5,840	5,915	6,061	6,180	-5.5
Construction materials and supplies	15,820	15,857	15,785	-0.2	+0.5	+0.5	15,970	15,977	15,562	16,170	-1.2
Defense products	106,626	103,419	103,834	+3.1	-0.4	+1.1	109,238	103,748	104,804	108,649	+0.5
Other materials, supplies and and intermediate products	131,501	133,605	135,167	-1.6	-1.2	+0.2	133,225	135,505	135,743	138,035	-3.5
rable goods industries :											
Nondefense capital goods [3]	225,377	221,229	218,987	+1.9	+1.0	+2.9	225,465	222,314	219,702	204,561	+10.2
Excluding aircraft and parts	101,253	100,903	99,756	+0.3	+1.1	+1.6	101,341	101,988	100,471	96,900	+4.6
Defense capital goods [4]	111,725	108,545	109,037	+2.9	-0.5	+1.1	114,358	108,872	109,961	114,429	-0.1
Durables excluding capital goods	120,311	122,142	123,166	-1.5	-0.8	-0.1	122,151	124,064	123,322	123,108	-0.8
scellaneous series :											
Producers' durable equipment	240,698	237,762	235,381	+1.2	+1.0	+2.4	240,945	238,912	235,739	220,419	+9.3
Household durable goods	6,180	6,054	6,019	+2.1	+0.6	-0.1	6,119	5,951	5,829	5,905	+3.6
nformation technology industries	40,970	40,794	40,666	+0.4	+0.3	+1.8	40,442	40,494	40,095	38,968	+3.8
Health care equipment and products	5,877	6,192	6,061	-5.1	+2.2	+1.5	5,876	6,190	6,059	5,968	-1.5
TOTAL INVENTORIES											
ll manufacturing industries	422,359	422,203	421,317	0.0	+0.2	+0.7	421,606	424,187	419,188	402,074	+4.9
rket categories :											
Automotive equipment	6,879	6,727	6,648	+2.3	+1.2	+1.3	7,056	6,932	6,725	6,669	+5.8
Home goods and apparel	33,962	34,413	34,378	-1.3	+0.1	+0.8	33,769	34,312	33,805	33,229	+1.6
Consumer staples	60,639	60,337	60,092	+0.5	+0.4	+0.1	60,107	60,233	60,116	58,233	+3.2
Machinery and equipment	107,060	107,204	106,813	-0.1	+0.4	+2.0	106,479	108,404	106,229	97,436	+9.3
Business supplies	23,720	23,945	24,054	-0.9	-0.5	+0.1	23,779	23,799	23,497	23,101	+2.9
Construction materials and supplies	26,166	26,259	26,418	-0.4	-0.6	-0.3	26,450	26,544	26,334	26,128	+1.2
Defense products	20,782	20,594	20,492	+0.9	+0.5	-0.4	20,706	20,368	19,914	21,354	-3.0
Other materials, supplies and and intermediate products	143,151	142,724	142,422	+0.3	+0.2	+0.3	143,260	143,595	142,568	135,924	+5.4
rable goods industries :											
Nondefense capital goods [3]	101,614	101,942	101,560	-0.3	+0.4	+1.8	100,693	102,803	100,850	91,963	+9.5
Excluding aircraft and parts	72,172	72,580	72,665	-0.6	-0.1	+1.3	71,271	73,149	72,110	65,762	+8.4
Defense capital goods [4]	21,202	20,995	20,881	+1.0	+0.5	0.0	21,114	20,747	20,221	22,026	-4.1
Durables excluding capital goods	144,781	144,327	144,089	+0.3	+0.2	+0.5	145,128	145,508	144,089	139,093	+4.3
scellaneous series :											
Producers' durable equipment	168,188	168,184	167,731	0.0	+0.3	+1.2	167,571	169,690	166,853	157,122	+6.7
Household durable goods	15,251	15,345	15,207	-0.6	+0.9	+0.9	15,202	15,489	15,057	14,562	+4.4
nformation technology industries	39,487	39,539	39,639	-0.1	-0.3	+1.8	38,654	39,818	39,351	34,021	+13.6
Health care equipment and products	13,959	13,857	13,795	+0.7	+0.4	+1.3	13,783	13,689	13,445	13,014	+5.9

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar 1996[p]	Feb 1996[r]	Jan 1996	Feb - Mar	Jan - Feb	Dec - Jan	Mar 1996[p]	Feb 1996[r]	Jan. 1996	Mar. 1995	Mar. 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	138,644	138,931	138,692	-0.2	+0.2	+0.5	137,467	139,287	139,498	131,163	+4.8
Durable goods industries	82,039	81,901	81,560	+0.2	+0.4	+0.8	80,818	82,163	82,255	75,656	+6.8
Stone, clay, and glass products	2,812	2,821	2,801	-0.3	+0.7	+0.8	2,785	2,824	2,809	2,693	+3.4
Primary metals	6,735	6,754	6,736	-0.3	+0.3	+0.3	6,537	6,697	6,835	6,545	-0.1
Fabricated metal products	8,758	8,741	8,576	+0.2	+1.9	+2.2	8,739	8,779	8,664	8,712	+0.3
Industrial machinery and equipment	18,825	18,885	18,767	-0.3	+0.6	+0.5	18,341	19,111	18,898	17,008	+7.8
Electronic and other electrical equipment	16,415	16,362	16,400	+0.3	-0.2	-0.6	16,223	16,292	16,462	14,224	+14.1
Transportation equipment	10,513	10,424	10,422	+0.9	0.0	+4.1	10,540	10,458	10,418	10,267	+2.7
Instruments and related products	7,496	7,407	7,339	+1.2	+0.9	+1.3	7,456	7,354	7,332	6,767	+10.2
Lumber, furniture and miscellaneous durable goods	10,485	10,507	10,519	-0.2	-0.1	-0.7	10,197	10,648	10,837	9,440	+8.0
Nondurable goods industries	56,605	57,030	57,132	-0.7	-0.2	+0.1	56,649	57,124	57,243	55,507	+2.1
Food and kindred products	10,627	10,666	10,555	-0.4	+1.1	-0.1	10,731	10,797	10,872	10,232	+4.9
Tobacco products	4,797	4,771	4,723	+0.5	+1.0	+0.2	4,931	5,061	5,084	4,783	+3.1
Textile mill products	2,953	3,013	3,026	-2.0	-0.4	+0.1	2,952	3,052	2,996	2,935	+0.6
Paper and allied products	7,823	7,973	8,023	-1.9	-0.6	-1.6	7,825	7,967	7,949	7,556	+3.6
Chemicals and allied products	11,706	11,653	11,658	+0.5	0.0	+0.5	11,660	11,610	11,619	11,510	+1.3
Petroleum and coal products	3,588	3,527	3,562	+1.7	-1.0	+1.7	3,557	3,378	3,375	3,415	+4.2
Rubber and plastics products	4,917	4,973	4,971	-1.1	0.0	-0.2	4,915	5,003	4,947	5,289	-7.1
Apparel, printing and publishing and leather goods	10,194	10,454	10,614	-2.5	-1.5	+0.9	10,078	10,256	10,401	9,787	+3.0
WORK IN PROCESS											
All manufacturing industries	137,812	137,451	137,121	+0.3	+0.2	+1.1	137,535	137,428	135,696	131,041	+5.0
Durable goods industries	112,883	112,474	112,089	+0.4	+0.3	+1.2	112,696	112,620	110,741	106,877	+5.4
Stone, clay, and glass products	1,327	1,325	1,300	+0.2	+1.9	+0.5	1,392	1,371	1,258	1,303	+6.8
Primary metals	8,449	8,383	8,400	+0.8	-0.2	+0.4	8,513	8,346	8,330	8,018	+6.2
Fabricated metal products	7,531	7,590	7,603	-0.8	-0.2	-3.0	7,590	7,592	7,575	8,033	-5.5
Industrial machinery and equipment	20,274	20,441	20,263	-0.8	+0.9	+2.1	19,936	20,339	19,716	18,781	+6.1
Electronic and other electrical equipment	18,057	17,821	18,158	+1.3	-1.9	+1.8	18,099	17,922	18,155	16,634	+8.8
Transportation equipment	42,380	42,211	41,634	+0.4	+1.4	+1.6	42,360	42,305	41,286	39,796	+6.4
Instruments and related products	9,949	9,722	9,713	+2.3	+0.1	+0.9	9,867	9,740	9,431	9,209	+7.1
Lumber, furniture and miscellaneous durable goods	4,916	4,981	5,018	-1.3	-0.7	+0.9	4,939	5,005	4,990	5,103	-3.2
Nondurable goods industries	24,929	24,977	25,032	-0.2	-0.2	+0.9	24,839	24,808	24,955	24,164	+2.8
Food and kindred products	4,272	4,280	4,279	-0.2	0.0	+1.2	4,254	4,268	4,485	4,050	+5.0
Tobacco products	185	170	193	+8.8	-11.9	-0.5	165	173	210	153	+7.8
Textile mill products	2,738	2,734	2,770	+0.1	-1.3	-0.5	2,745	2,734	2,779	2,662	+3.1
Paper and allied products	1,609	1,615	1,622	-0.4	-0.4	+2.5	1,603	1,601	1,621	1,332	+20.3
Chemicals and allied products	5,812	5,819	5,774	-0.1	+0.8	+1.0	5,772	5,827	5,738	5,371	+7.5
Petroleum and coal products	2,375	2,240	2,338	+6.0	-4.2	+2.1	2,361	2,174	2,266	2,229	+5.9
Rubber and plastics products	2,065	2,038	2,023	+1.3	+0.7	+0.3	2,048	2,068	2,062	2,026	+1.1
Apparel, printing and publishing and leather goods	5,873	6,081	6,033	-3.4	+0.8	+0.5	5,891	5,963	5,794	6,341	-7.1
FINISHED GOODS											
All manufacturing industries	145,903	145,821	145,504	+0.1	+0.2	+0.4	146,604	147,472	143,994	139,870	+4.8
Durable goods industries	72,675	72,889	72,881	-0.3	0.0	+0.9	73,421	74,275	72,164	70,549	+4.1
Stone, clay, and glass products	4,143	4,126	4,141	+0.4	-0.4	-0.5	4,211	4,205	4,130	4,095	+2.8
Primary metals	6,895	6,742	6,732	+2.3	+0.1	-0.5	6,961	6,841	6,723	6,862	+1.4
Fabricated metal products	8,440	8,540	8,527	-1.2	+0.2	-0.2	8,684	8,714	8,316	8,713	-0.3
Industrial machinery and equipment	16,132	16,117	16,182	+0.1	-0.4	+2.5	16,363	16,761	16,489	15,059	+8.7
Electronic and other electrical equipment	12,923	13,186	13,181	-2.0	0.0	+0.8	12,617	13,143	12,821	11,518	+9.5
Transportation equipment	8,355	8,180	8,053	+2.1	+1.6	+2.6	8,510	8,370	7,929	8,628	-1.4
Instruments and related products	6,004	6,078	6,070	-1.2	+0.1	+0.7	5,918	6,010	5,791	5,735	+3.2
Lumber, furniture and miscellaneous durable goods	9,783	9,920	9,995	-1.4	-0.8	-0.4	10,157	10,231	9,965	9,939	+2.2
Nondurable goods industries	73,228	72,932	72,623	+0.4	+0.4	-0.2	73,183	73,197	71,830	69,321	+5.6
Food and kindred products	16,759	16,714	16,604	+0.3	+0.7	-1.2	16,370	16,735	16,588	16,568	-1.2
Tobacco products	692	637	654	+8.6	-2.6	-1.4	686	726	703	630	+8.9
Textile mill products	4,552	4,585	4,597	-0.7	-0.3	-1.1	4,586	4,675	4,530	4,509	+1.7
Paper and allied products	7,321	7,225	7,185	+1.3	+0.6	+1.3	7,425	7,321	7,154	5,803	+28.0
Chemicals and allied products	18,770	18,603	18,503	+0.9	+0.5	-0.6	19,146	18,981	18,553	18,182	+5.3
Petroleum and coal products	5,760	5,643	5,448	+2.1	+3.6	+0.9	5,612	5,500	5,286	5,195	+8.0
Rubber and plastics products	7,005	6,907	6,907	+1.4	0.0	-0.2	7,261	7,086	6,921	6,790	+6.9
Apparel, printing and publishing and leather goods	12,369	12,618	12,725	-2.0	-0.8	+0.9	12,097	12,173	12,095	11,644	+3.9

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Dec. 1995	Mar. 1996[p]	Feb. 1996[r]	Jan. 1996	Dec. 1995
All manufacturing industries	1.39	1.39	1.40	1.37	2.86	2.84	2.87	2.75
urable goods industries	1.64	1.63	1.64	1.59	3.44	3.40	3.46	3.31
Stone, clay, and glass products	1.11	1.13	1.10	1.11	1.13	1.15	1.13	1.14
Primary metals	1.57	1.53	1.52	1.50	2.00	2.00	1.98	1.96
Fabricated metal products	1.56	1.56	1.52	1.55	1.44	1.43	1.40	1.43
Industrial machinery and equipment	1.66	1.65	1.72	1.67	2.36	2.35	2.44	2.37
Electronic and other electrical equipment	1.68	1.71	1.77	1.68	1.91	1.95	2.03	1.93
Transportation equipment	1.68	1.61	1.61	1.51	12.90	12.41	12.65	11.17
nstruments and related products	2.01	1.96	1.99	1.93	3.97	3.95	3.96	3.86
ondurable goods industries	1.10	1.11	1.11	1.10	0.64	0.66	0.67	0.64
Food and kindred products	0.84	0.84	0.82	0.83	(X)	(X)	(X)	(X)
Tobacco products	1.92	1.85	1.83	1.96	(X)	(X)	(X)	(X)
Textile mill products	1.69	1.72	1.78	1.73	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.28	1.27	1.25	1.22	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.20	1.19	1.17	1.17	(X)	(X)	(X)	(X)
Petroleum and coal products	0.78	0.80	0.82	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.39	1.39	1.42	1.39	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1996	Mar.[2] 1991-1995	Mar. 1995-Feb. 1996	Mar.[1] 1996	Mar.[2] 1991-1995	Mar. 1995-Feb. 1996	Mar.[1] 1996	Mar.[2] 1991-1995	Mar. 1995-Feb. 1996	Mar.[1] 1996	Mar.[2] 1991-1995	Mar. 1995-Feb. 1996
ll manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.3	(X)	0.0	0.1	(X)	0.0	0.1
able goods industries	0.2	0.2	0.2	1.1	0.3	0.4	0.2	0.1	0.1	(X)	0.0	0.1
one, clay, and glass products	(X)	0.7	0.6	(X)	1.2	1.0	(X)	0.5	0.6	(X)	0.1	0.2
imary metals	0.0	0.3	0.4	-0.4	0.6	0.9	-0.2	0.3	0.4	(X)	0.1	0.2
abricated metal products	(X)	0.2	0.3	(X)	0.3	0.4	(X)	0.3	0.3	(X)	0.2	0.2
dustrial machinery and equipment	0.3	0.4	0.4	-0.3	0.4	0.6	-0.3	0.2	0.2	(X)	0.1	0.1
ectronic and other electrical equipment	-0.1	0.2	0.3	-0.2	0.6	0.6	-0.2	0.2	0.3	(X)	0.1	0.1
ansportation equipment	0.4	0.5	0.6	5.1	1.2	1.2	0.8	0.1	0.2	(X)	0.0	0.3
struments and related products	(X)	0.2	0.4	(X)	0.5	0.8	(X)	0.1	0.2	(X)	0.0	0.1
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.3	(X)	0.1	0.1
ood and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
obacco products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
extile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
aper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.3
hemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
etroleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
ubber and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
pital goods industries :												
ondefense	0.3	0.3	0.4	4.8	0.5	0.7	1.0	0.1	0.1	(X)	0.0	0.2
efense	0.4	0.4	0.8	-6.8	1.6	4.7	-0.7	0.1	0.2	(X)	0.2	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

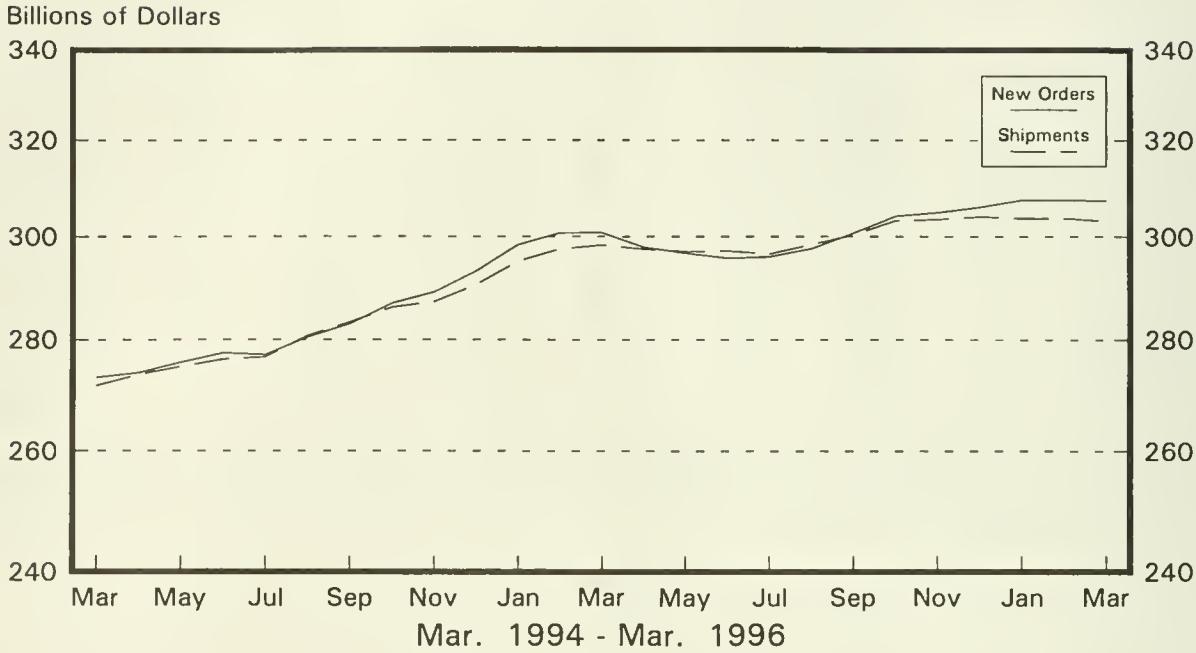
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

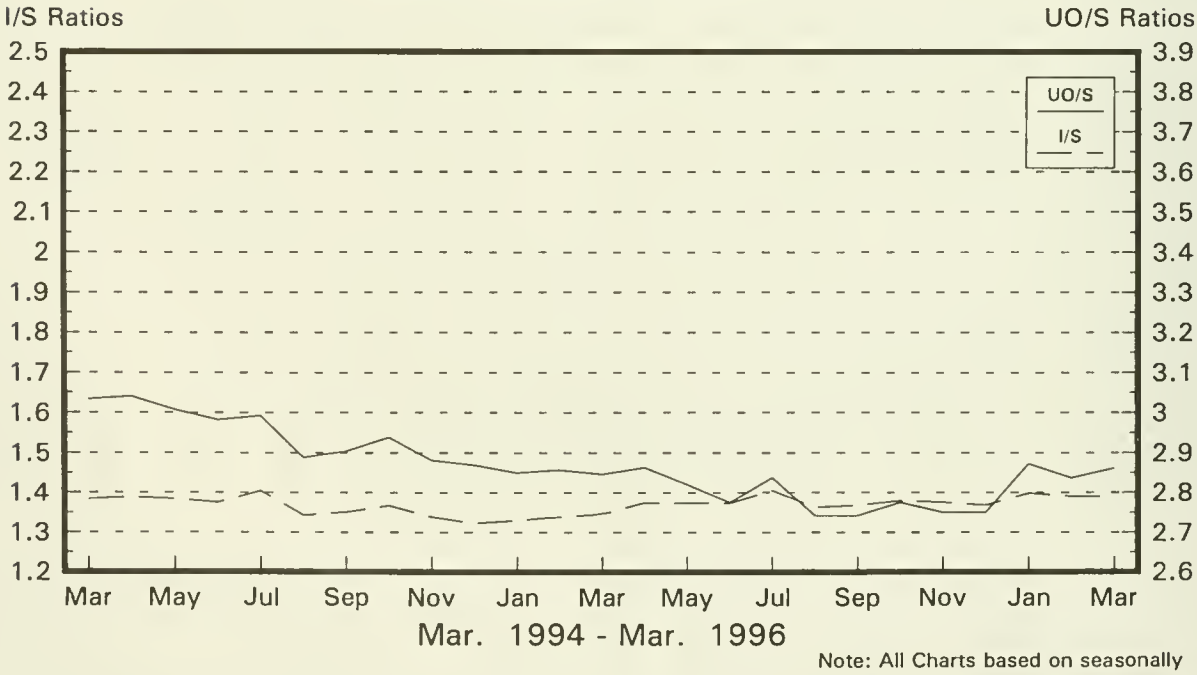
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

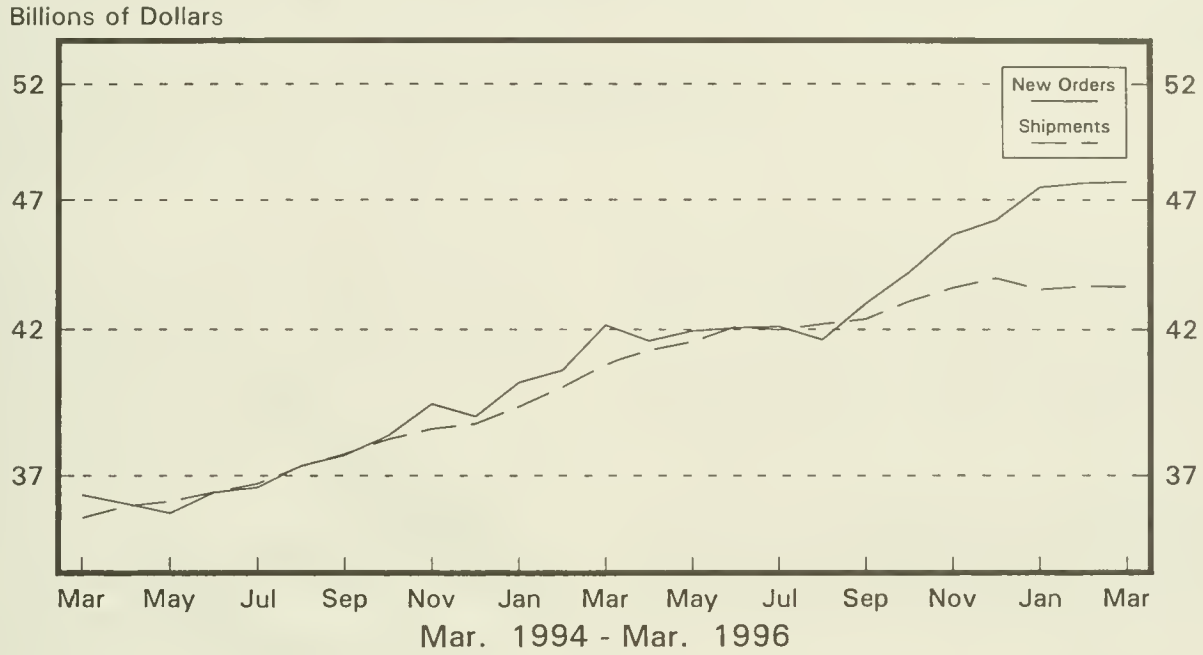
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

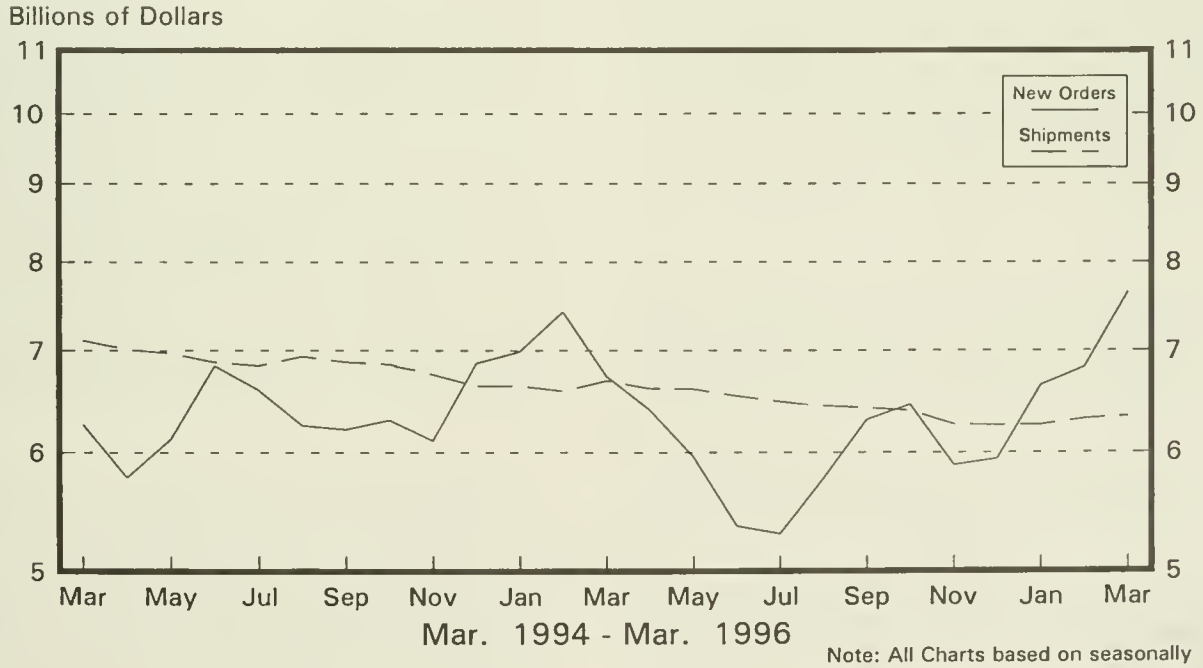
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May increased $5.9 billion or 1.9 percent to $315.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.2 percent April increase, is the third consecutive monthly increase, and is the largest since the 2.7 percent August 1995 increase. Excluding transportation, new orders increased 0.4 percent, the fifth increase in the last six months. Year to date, new orders are 3.8 percent above the same period a year ago.

Shipments, up for the fourth consecutive month, increased $3.4 billion or 1.1 percent to $314.1 billion, following a 2.0 percent April increase. Year to date, shipments are 3.2 percent above the same period a year ago.

Unfilled orders, up eight of the last nine months, increased $1.8 billion or 0.4 percent to $480.8 billion, following a 0.1 percent April decrease. The unfilled orders-to-shipments ratio was 2.80, down from 2.83 in April.

Inventories, down for the third consecutive month, decreased $0.7 billion or 0.2 percent to $420.7 billion. This follows a slight April decline. The inventories-to-shipments ratio was 1.34, down from 1.36 in April.

New Orders

New orders for manufactured durable goods in May increased $5.7 billion or 3.4 percent to $172.2 billion, revised from the previously published 3.3 percent increase. This follows a 1.7 percent April decrease. Excluding transportation, new orders increased $1.1 billion or 0.8 percent to $129.3 billion, the fifth increase in the last six months.

Transportation equipment, up two of the last three months, had the largest increase, $4.6 billion or 12.2 percent to $42.8 billion; led by aircraft and parts, most component categories increased. This follows a 12.1 percent April decrease. Industrial machinery and equipment, up four of the last five months, increased $0.7 billion or 2.3 percent to $33.4 billion, following a slight April increase. Fabricated metal products increased $0.3 billion or 2.1 percent to $17.1 billion, following a 6.6 percent April increase. Stone, clay, and glass products, up ten of the last thirteen months, increased $0.3 billion or 4.4 percent to $7.9 billion. Primary metals, increased $0.2 billion or 1.5 percent to $15.1 billion, following a 7.6 percent April increase. Electronic and other electrical equipment, down four of the last five months, decreased $0.6 billion or 2.1 percent to $26.9 billion, following a 2.4 percent April decrease. Instruments and related products decreased $0.3 billion or 2.6 percent to $11.6 billion, following a 4.8 percent April increase.

New orders for nondurable goods, up seven of the last eight months, increased $0.2 billion or 0.1 percent to $143.7 billion, following a 2.4 percent April increase. The largest increases were in chemicals and allied products and food and kindred products; petroleum and coal products had the largest decline.

Shipments

Shipments of durable goods in May increased $3.1 billion or 1.9 percent to $170.6 billion, unrevised from the previously published 1.9 percent increase. This follows a 2.2 percent April increase and is the third increase in the last four months.

Transportation equipment, up three of the last four months, had the largest increase, $1.3 billion or 3.3 percent to $40.6 billion, mostly due to aircraft and parts. This follows a 7.3 percent April increase. Industrial machinery and equipment, up for the first month since February, increased $0.5 billion or 1.7 percent to $33.2 billion, following a 1.6 percent April decrease. Stone, clay, and glass products, up eleven of the last thirteen months, increased $0.4 billion or 4.7 percent to $8.0 billion. This follows a 1.5 percent April increase. Electronic and other electrical equipment, up three of the last four months, increased $0.2 billion or 0.8 percent to $28.1 billion, following a 0.9 percent April decrease. Instruments and related products, up for the first month since February, increased $0.2 billion or 1.6 percent to $11.9 billion. Fabricated metal products increased $0.2 billion or 1.1 percent to $16.8 billion, following a 5.4 percent April increase. Primary metals, increased $0.1 billion or 0.6 percent to $14.7 billion, following a 2.8 percent April increase.

Shipments of nondurable goods, up six of the last seven months, increased $0.3 billion or 0.2 percent to $143.6 billion, following a 1.8 percent April increase. Chemicals and allied products, up for the third consecutive month, had the largest increase, $0.5 billion or 1.7 percent to $31.6 billion. Food and kindred products increased $0.2 billion or 0.6 percent to $38.7 billion, following a 1.7 percent April increase. Petroleum and coal products, down for the first month since October, had the largest decrease, $0.6 billion or 3.7 percent to $15.4 billion.

Unfilled Orders

Unfilled orders for durable goods in May increased $1.6 billion or 0.4 percent to $458.0 billion, revised from the previously published 0.3 percent increase. This follows a 0.2 percent April decrease and is the eighth increase in the last nine months.

Transportation equipment, up six of the last seven months, increased $2.2 billion or 1.0 percent to $219.6 billion, due to aircraft and parts. This follows a 0.5 percent April decrease. Primary metals increased $0.4 billion or 1.4 percent to $28.9 billion. This follows a 1.0 percent April increase and is the third increase in the last four months. Fabricated metal products, up three of the last four months, increased $0.3 billion or 1.4 percent to $21.4 billion, following a 0.7 percent April increase. Industrial machinery and equipment, up four of the last five months, increased $0.2 billion or 0.3 percent to $73.9 billion. This follows a slight April increase. Electronic and other electrical equipment, down three of the last four months, decreased $1.2 billion or 2.2 percent to $52.4 billion, following a 0.7 percent April decrease. Instruments and related products, down two of the last three months, decreased $0.3 billion or 0.7 percent to $46.1 billion, following a 0.4 percent April increase.

Inventories

Inventories of durable goods in May increased $0.1 billion to $267.5 billion, following a 0.1 percent April increase. Instruments and related products, up for the twelfth consecutive month, had the largest increase, $0.1 billion or 0.5 percent to $23.7 billion, following a 0.6 percent April increase. Fabricated metal products had the largest decline, $0.1 billion or 0.4 percent to $24.5 billion. This is the third consecutive monthly decline. The remaining durable goods industries showed small fluctuations between April and May.

Inventories of nondurable goods, down for the third consecutive month, decreased $0.8 billion or 0.5 percent to $153.2 billion, following a 0.2 percent April decline. Decreases were widespread. Paper and allied products, and apparel and related products had the largest declines.

By stage of fabrication, May finished goods increased 0.2 percent in durables and decreased 0.6 percent in nondurables. Work in process increased 0.1 percent in durables and decreased 0.1 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.6 percent in nondurables.

SEE BACK PAGE FOR UPCOMING REVISIONS

The advance report on durable goods for June is scheduled for July 25, 1996 at 8:30 a.m. and the full report on August 2, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1996[p]	Apr. 1996[r]	Mar. 1996	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1996[p]	Apr. 1996[r]	Mar. 1996	May 1995	May 96/95	1996[p]	1995
All manufacturing industries	314,129	310,737	304,660	+1.1	+2.0	+0.3	316,801	307,441	319,575	298,324	+6.2	1,517,262	1,468,00
Manufacturing Industries													
with unfilled orders	171,815	169,027	167,856	+1.6	+0.7	+0.2	170,056	164,203	178,822	161,859	+5.1	824,569	796,55
without defense capital goods	307,828	304,525	298,207	+1.1	+2.1	+0.2	310,681	301,708	312,696	291,964	+6.4	1,487,308	1,436,67
Durable goods industries	170,559	167,448	163,867	+1.9	+2.2	-0.2	172,681	165,640	176,514	161,166	+7.1	823,231	795,90
With unfilled orders	136,833	134,038	132,946	+2.1	+0.8	+0.2	135,851	129,855	143,646	127,502	+6.5	654,614	627,58
Stone, clay, and glass products	7,950	7,596	7,486	+4.7	+1.5	+2.1	8,055	7,751	7,308	7,056	+14.2	36,302	33,56
Primary metals	14,735	14,644	14,245	+0.6	+2.8	-0.2	15,176	14,956	14,946	15,519	-2.2	73,469	76,80
Blast furnaces, steel mills	6,134	6,171	5,944	-0.6	+3.8	-1.5	6,318	6,305	6,258	6,544	-3.5	31,088	32,52
Iron and steel foundries	1,435	1,385	1,288	+3.6	+7.5	-0.2	1,527	1,464	1,364	1,387	+10.1	6,923	6,80
Nonferrous and other primary metals	7,166	7,088	7,013	+1.1	+1.1	+1.0	7,331	7,187	7,324	7,588	-3.4	35,458	37,47
Fabricated metal products	16,822	16,637	15,781	+1.1	+5.4	-1.0	17,242	16,663	16,547	16,044	+7.5	81,297	78,82
Industrial machinery and equipment	33,195	32,652	33,184	+1.7	-1.6	-1.0	32,527	31,158	39,086	30,237	+7.6	162,426	148,60
Engines and turbines	1,701	1,671	1,832	+1.8	-8.8	-2.0	1,641	1,567	2,107	1,928	-14.9	8,663	9,24
Farm and garden machinery	1,951	1,825	1,905	+6.9	-4.2	-1.7	2,359	2,404	2,630	2,068	+14.1	11,455	10,97
Construction, mining and material handling equipment	3,459	3,453	3,479	+0.2	-0.7	+3.2	3,570	3,543	3,855	3,263	+9.4	17,590	16,0
Metalworking machinery	3,596	3,553	3,505	+1.2	+1.4	-1.1	3,531	3,321	3,748	3,237	+9.1	16,734	15,8
Computer and office equipment	9,669	9,367	9,885	+3.2	-5.2	-3.8	8,306	7,305	12,745	7,653	+8.5	43,845	37,5
Electronic and other electrical equipment	28,065	27,849	28,088	+0.8	-0.9	+1.5	27,247	26,216	29,687	24,951	+9.2	133,437	120,6
Electrical transmission and distribution equipment and industrial apparatus	2,837	2,904	2,804	-2.3	+3.6	+1.7	2,806	2,869	3,063	2,788	+0.6	14,054	14,0
Household appliances	2,054	2,008	2,034	+2.3	-1.3	+5.5	2,093	2,002	2,212	1,905	+9.9	9,787	9,1
Electric lighting and wiring equipment	1,972	1,945	1,969	+1.4	-1.2	+2.0	1,956	1,865	2,119	1,885	+3.8	9,679	9,5
Household audio and video equipment	1,287	1,362	1,256	-5.5	+8.4	+7.3	1,066	1,100	1,183	947	+12.6	5,321	4,8
Communications equipment	6,884	6,650	6,959	+3.5	-4.4	+3.6	6,439	6,048	7,635	5,655	+13.9	31,337	27,4
Electronic components	10,685	10,719	10,882	-0.3	-1.5	+0.6	10,557	10,271	11,386	9,590	+10.1	52,660	45,3
Transportation equipment	40,609	39,317	36,649	+3.3	+7.3	-3.0	43,289	41,052	39,225	39,559	+9.4	198,030	200,7
Motor vehicles and parts	28,898	28,641	25,353	+0.9	+13.0	-6.8	31,793	30,566	26,939	28,576	+11.3	145,625	145,3
Aircraft, missiles, space vehicles, and parts	8,909	7,882	8,243	+13.0	-4.4	+7.2	8,577	7,528	8,938	7,846	+9.3	38,016	40,5
Shipbuilding and tanks	762	857	796	-11.1	+7.7	-6.8	770	843	841	854	-9.8	3,987	4,
Instruments and related products	11,885	11,693	11,705	+1.6	-0.1	-0.9	11,922	11,037	12,464	11,568	+3.1	57,239	55,
Search and navigation equipment	2,434	2,403	2,364	+1.3	+1.6	-3.9	2,431	2,208	2,544	2,501	-2.8	11,733	12,
Measuring and controlling devices	3,845	3,698	3,785	+4.0	-2.3	-1.3	3,849	3,472	4,162	3,657	+5.3	18,585	17,
Medical instruments and supplies	3,289	3,255	3,281	+1.0	-0.8	+0.9	3,250	3,095	3,519	3,088	+5.2	15,968	15,
Photographic goods	1,875	1,895	1,850	-1.1	+2.4	-0.5	1,927	1,809	1,805	1,898	+1.5	8,849	8,
All other durable goods	17,298	17,060	16,729	+1.4	+2.0	+5.2	17,223	16,807	17,251	16,232	+6.1	81,031	80,
Nondurable goods industries	143,570	143,289	140,793	+0.2	+1.8	+0.9	144,120	141,801	143,061	137,158	+5.1	694,031	672,
With unfilled orders	34,982	34,989	34,910	0.0	+0.2	+0.5	34,205	34,348	35,176	34,357	-0.4	169,955	168,
Food and kindred products	38,681	38,464	37,807	+0.6	+1.7	0.0	38,787	37,271	38,346	35,752	+8.5	186,615	176,
Meat products	8,926	8,772	8,878	+1.8	-1.2	+2.0	9,105	8,462	8,792	8,169	+11.5	42,879	39,
Dairy products	4,956	4,822	4,810	+2.8	+0.2	+0.1	5,035	4,716	4,909	4,690	+7.4	24,098	23,
Beverages	5,753	5,846	5,645	-1.6	+3.6	+1.0	6,248	5,821	5,598	5,782	+8.1	27,555	25,
All other foods, except fats and oils	17,036	16,924	16,527	+0.7	+2.4	+0.4	16,389	16,172	17,100	15,328	+6.9	81,701	77,
Tobacco products	2,872	2,931	3,014	-2.0	-2.8	-0.1	2,941	2,835	3,142	3,120	-5.7	14,417	14,
Textile mill products	6,137	6,020	6,094	+1.9	-1.2	+1.5	6,173	5,765	6,465	6,296	-2.0	29,233	30,
Broadwoven fabrics and other textiles	3,747	3,713	3,755	+0.9	-1.1	+2.1	3,852	3,592	4,072	3,979	-3.2	18,372	19,
Paper and allied products	12,903	13,085	13,053	-1.4	+0.2	-1.2	12,835	12,708	13,189	13,932	-7.9	64,858	67,
Pulp, paper, and paperboard mill products	5,094	5,175	5,184	-1.6	-0.2	-2.1	5,109	5,053	5,235	6,111	-16.4	25,939	29
Paperboard containers and boxes	3,415	3,480	3,539	-1.9	-1.7	-3.3	3,415	3,453	3,564	3,806	-10.3	17,612	18
Miscellaneous converted paper products	4,394	4,430	4,330	-0.8	+2.3	+1.6	4,311	4,202	4,390	4,015	+7.4	21,307	19
Chemicals and allied products	31,633	31,093	30,380	+1.7	+2.3	+0.4	32,137	32,072	32,175	30,743	+4.5	155,504	153
Industrial chemicals	16,497	16,161	15,928	+2.1	+1.5	+0.5	16,860	16,556	16,632	17,051	-1.1	81,280	84
Drugs, soaps, and toiletries	11,317	11,119	11,069	+1.8	+0.5	+2.5	10,468	10,531	11,605	9,440	+10.9	53,592	49
Petroleum and coal products	15,377	15,962	15,038	-3.7	+6.1	+5.4	16,342	15,998	13,783	14,000	+16.7	71,535	62
Rubber and plastics products	10,367	10,302	10,081	+0.6	+2.2	+0.6	10,769	10,565	10,660	10,373	+3.8	51,193	50
All other nondurable goods	25,600	25,432	25,326	+0.7	+0.4	+1.5	24,136	24,587	25,301	22,942	+5.2	120,676	117

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1996[p]	Apr. 1996[r]	Mar. 1996	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1996[p]	Apr. 1996[r]	Mar. 1996	May 1995	May 96/95	1996[p]	1995
All manufacturing industries	315,899	310,043	309,485	+1.9	+0.2	+1.7	316,926	308,324	326,253	297,199	+6.6	1,541,533	1,482,961
anufacturing industries													
vith unfilled orders	173,585	168,333	172,681	+3.1	-2.5	+2.8	170,181	165,086	185,500	160,734	+5.9	848,840	811,510
vithout defense capital goods	309,661	303,836	300,034	+1.9	+1.3	+0.5	312,239	303,016	313,892	292,840	+6.6	1,507,368	1,453,946
urable goods industries	172,172	166,477	169,278	+3.4	-1.7	+2.6	172,421	165,969	183,169	159,850	+7.9	845,746	808,385
Vith unfilled orders	138,446	133,067	138,357	+4.0	-3.8	+3.7	135,591	130,184	150,301	126,186	+7.5	677,129	640,067
one, clay, and glass products	7,866	7,535	7,514	+4.4	+0.3	+2.9	7,989	7,747	7,197	7,112	+12.3	36,606	33,853
mary metals	15,133	14,916	13,859	+1.5	+7.6	-3.6	15,116	14,922	15,193	14,356	+5.3	75,937	78,461
Blast furnaces, steel mills	6,470	6,212	5,629	+4.2	+10.4	-4.2	6,446	6,052	6,175	6,190	+4.1	32,230	33,931
Iron and steel foundries	1,413	1,399	1,291	+1.0	+8.4	-15.8	1,433	1,477	1,404	1,226	+16.9	7,415	6,971
Nonferrous and other primary metals	7,250	7,305	6,939	-0.8	+5.3	-0.3	7,237	7,393	7,614	6,940	+4.3	36,292	37,559
bricated metal products	17,122	16,775	15,733	+2.1	+6.6	-1.6	17,597	16,744	16,555	16,267	+8.2	82,135	79,872
ustrial machinery and equipment	33,404	32,668	32,664	+2.3	0.0	-4.7	32,750	31,268	37,448	30,704	+6.7	164,136	153,796
Engines and turbines	1,701	1,680	1,522	+1.3	+10.4	-19.7	1,591	1,319	1,470	1,690	-5.9	7,561	7,935
Construction, mining and material handling equipment	3,511	3,496	3,366	+0.4	+3.9	-11.1	3,525	3,477	3,883	3,291	+7.1	18,300	17,037
Metalworking machinery	3,807	3,456	3,524	+10.2	-1.9	-7.0	3,742	3,224	3,767	3,494	+7.1	17,318	17,478
Computer and office equipment	9,523	9,380	9,720	+1.5	-3.5	-3.0	8,712	7,707	12,321	7,812	+11.5	43,969	38,758
ctronic and other ectrical equipment	26,862	27,445	28,108	-2.1	-2.4	+4.9	25,719	27,486	28,549	25,901	-0.7	133,936	128,099
Electrical transmission and distribution equipment and industrial apparatus	2,828	2,778	2,843	+1.8	-2.3	-0.9	2,792	2,761	3,082	2,802	-0.4	14,090	14,434
lectric lighting and wiring equipment	1,958	1,980	1,989	-1.1	-0.5	+0.5	1,942	1,900	2,139	1,899	+2.3	9,879	9,781
Communications equipment	6,139	6,734	7,632	-8.8	-11.8	+9.4	5,635	6,196	8,304	6,168	-8.6	32,224	29,224
lectronic components	10,203	10,322	10,232	-1.2	+0.9	+7.9	9,776	11,540	9,839	9,970	-1.9	51,530	50,920
nsportation equipment	42,824	38,184	43,436	+12.2	-12.1	+14.6	44,270	39,741	48,425	37,905	+16.8	213,324	197,593
Aircraft, missiles, space vehicles, and parts	11,507	7,388	15,582	+55.8	-52.6	+86.1	10,154	6,864	18,597	7,140	+42.2	54,213	38,738
Shipbuilding and tanks	425	446	553	-4.7	-19.3	-4.2	466	453	693	510	-8.6	3,811	3,318
uments and related products	11,554	11,862	11,314	-2.6	+4.8	-8.8	11,286	10,816	12,349	10,897	+3.6	56,898	54,177
earch and navigation equipment	2,111	2,448	2,337	-13.8	+4.7	-17.2	1,818	1,939	2,686	2,024	-10.2	11,103	10,749
leasuring and controlling devices	3,702	3,730	3,620	-0.8	+3.0	-5.8	3,706	3,504	3,997	3,637	+1.9	18,563	18,112
ledical instruments and supplies	3,440	3,283	2,967	+4.8	+10.7	-12.3	3,401	3,123	3,205	2,917	+16.6	16,054	14,601
other durable goods	17,407	17,092	16,649	+1.8	+2.7	+4.4	17,694	17,245	17,453	16,708	+5.9	82,774	82,534
durable goods industries	143,727	143,566	140,207	+0.1	+2.4	+0.7	144,505	142,355	143,084	137,349	+5.2	695,787	674,576
'ith unfilled orders	35,139	35,266	34,324	-0.4	+2.7	-0.5	34,590	34,902	35,199	34,548	+0.1	171,711	171,443

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Iote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, h includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ls on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), nufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	May 1996[p]	Apr 1996[r]	Mar 1996	Apr - May	Mar - Apr	Feb - Mar	May 1996[p]	Apr 1996[r]	Mar 1996	May 1995	May 96/95
All manufacturing industries	480,836	479,066	479,760	+0.4	-0.1	+1.0	485,628	485,503	484,620	466,720	+4.1
Manufacturing industries without defense capital goods	369,362	367,529	368,218	+0.5	-0.2	+0.5	373,132	371,574	370,266	355,933	+4.8
Durable goods industries	457,968	456,355	457,326	+0.4	-0.2	+1.2	461,974	462,234	461,905	439,928	+5.0
Stone, clay, and glass products	7,883	7,967	8,028	-1.1	-0.8	+0.3	7,944	8,010	8,014	7,805	+1.8
Primary metals	28,893	28,495	28,223	+1.4	+1.0	-1.3	29,950	30,010	30,044	29,514	+1.5
Blast furnaces, steel mills	12,366	12,030	11,989	+2.8	+0.3	-2.6	12,811	12,683	12,936	12,061	+6.2
Iron and steel foundries	3,984	4,006	3,992	-0.5	+0.4	+0.1	4,032	4,126	4,113	3,850	+4.7
Nonferrous and other primary metals	12,543	12,459	12,242	+0.7	+1.8	-0.6	13,107	13,201	12,995	13,603	-3.6
Fabricated metal products	21,396	21,096	20,958	+1.4	+0.7	-0.2	21,529	21,174	21,093	21,539	0.0
Industrial machinery and equipment	73,928	73,719	73,703	+0.3	0.0	-0.7	74,112	73,889	73,779	72,387	+2.4
Engines and turbines	10,277	10,277	10,268	0.0	+0.1	-2.9	9,757	9,807	10,055	9,317	+4.7
Construction, mining and material handling equipment	8,980	8,928	8,885	+0.6	+0.5	-1.3	9,169	9,214	9,280	7,981	+14.9
Metalworking machinery	10,134	9,923	10,020	+2.1	-1.0	+0.2	10,134	9,923	10,020	11,158	-9.2
Computer and office equipment	10,963	11,109	11,096	-1.3	+0.1	-1.5	11,347	10,941	10,539	12,434	-8.7
Electronic and other electrical equipment	52,405	53,608	54,012	-2.2	-0.7	0.0	53,259	54,787	53,517	53,625	-0.7
Electrical transmission and distribution equipment and industrial apparatus	5,702	5,711	5,837	-0.2	-2.2	+0.7	5,715	5,729	5,837	6,091	-6.2
Electric lighting and wiring equipment	4,043	4,057	4,022	-0.3	+0.9	+0.5	4,043	4,057	4,022	3,887	+4.0
Communications equipment	18,156	18,901	18,817	-3.9	+0.4	+3.7	18,144	18,948	18,800	16,789	+8.
Electronic components	19,521	20,003	20,400	-2.4	-1.9	-3.1	20,438	21,219	19,950	21,532	-5.
Transportation equipment	219,578	217,363	218,496	+1.0	-0.5	+3.2	220,763	219,782	221,093	200,014	+10.
Aircraft, missiles, space vehicles, and parts	191,991	189,393	189,887	+1.4	-0.3	+4.0	193,126	191,549	192,213	169,048	+14
Shipbuilding and tanks	15,985	16,322	16,733	-2.1	-2.5	-1.4	16,078	16,382	16,772	18,084	-11.
Instruments and related products	46,123	46,454	46,285	-0.7	+0.4	-0.8	46,027	46,663	46,884	46,269	-0.
Search and navigation equipment	28,958	29,281	29,236	-1.1	+0.2	-0.1	28,857	29,470	29,739	30,004	-3.
Measuring and controlling devices	10,084	10,227	10,195	-1.4	+0.3	-1.6	10,084	10,227	10,195	9,702	+3.
Medical instruments and supplies	6,029	5,878	5,850	+2.6	+0.5	-5.1	6,029	5,878	5,850	5,713	+5
All other durable goods	7,762	7,653	7,621	+1.4	+0.4	-1.0	8,390	7,919	7,481	8,775	-4
Nondurable goods industries	22,868	22,711	22,434	+0.7	+1.2	-2.5	23,654	23,269	22,715	26,792	-11.

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1996[p]	Apr. 1996[r]	Mar. 1996	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1996[p]	Apr. 1996[r]	Mar. 1996	May 1995	May 96/95
ll manufacturing industries	420,728	421,467	421,521	-0.2	0.0	-0.2	424,432	423,453	420,801	412,496	+2.9
ufacturing industries											
h unfilled orders	283,644	284,060	284,253	-0.1	-0.1	-0.2	287,277	285,630	282,770	276,650	+3.8
hout defense capital goods	399,912	400,537	400,344	-0.2	0.0	-0.2	403,279	402,445	399,687	390,082	+3.4
able goods industries	267,493	267,426	267,190	0.0	+0.1	0.0	270,427	268,663	266,391	260,036	+4.0
ith unfilled orders	245,662	245,715	245,441	0.0	+0.1	0.0	248,825	246,868	243,961	238,593	+4.3
e, clay, and glass products	8,079	8,161	8,243	-1.0	-1.0	-0.4	8,285	8,360	8,388	8,498	-2.5
ary metals	21,857	21,892	22,045	-0.2	-0.7	+0.8	21,850	21,908	21,986	21,760	+0.4
last furnaces, steel mills	10,569	10,659	10,825	-0.8	-1.5	+1.7	10,442	10,495	10,646	10,256	+1.8
on and steel foundries	1,694	1,707	1,711	-0.8	-0.2	+1.7	1,747	1,762	1,762	1,683	+3.8
onferrous and other primary metals	9,594	9,526	9,509	+0.7	+0.2	-0.5	9,661	9,651	9,578	9,821	-1.6
icated metal products	24,464	24,551	24,644	-0.4	-0.4	-0.9	24,847	24,949	24,924	25,876	-4.0
strial machinery and equipment	55,613	55,655	55,299	-0.1	+0.6	-0.3	56,298	55,802	54,544	52,905	+6.4
gines and turbines	3,626	3,587	3,580	+1.1	+0.2	-2.1	3,670	3,536	3,455	3,815	-3.8
rm and garden machinery	2,831	2,853	2,798	-0.8	+2.0	+1.7	2,698	2,833	2,953	2,641	+2.2
onstruction, mining and aterial handling equipment	6,549	6,540	6,492	+0.1	+0.7	-1.4	6,673	6,648	6,614	6,580	+1.4
etalworking machinery	6,730	6,602	6,609	+1.9	-0.1	-0.4	6,764	6,592	6,503	6,122	+10.5
omputer and office equipment	12,829	13,053	12,906	-1.7	+1.1	-1.1	13,086	12,947	12,041	11,718	+11.7
ronic and other ctrical equipment	47,566	47,608	47,126	-0.1	+1.0	-0.5	48,218	47,990	46,626	44,268	+8.9
ectrical transmission and stribution equipment and dustrial apparatus	4,405	4,416	4,407	-0.2	+0.2	-5.4	4,416	4,409	4,368	4,877	-9.5
usehold appliances	2,579	2,619	2,654	-1.5	-1.3	-3.1	2,808	2,827	2,794	3,147	-10.8
ectric lighting and iring equipment	3,180	3,207	3,223	-0.8	-0.5	-1.3	3,237	3,236	3,199	3,362	-3.7
usehold audio and deo equipment	1,772	1,797	1,802	-1.4	-0.3	-2.2	1,804	1,773	1,711	1,575	+14.5
mmunications equipment	15,990	15,995	15,574	0.0	+2.7	+0.4	16,502	16,347	15,389	14,510	+13.7
ectronic components	15,735	15,656	15,529	+0.5	+0.8	+0.4	15,499	15,435	15,231	13,108	+18.2
sportation equipment	61,042	61,091	61,251	-0.1	-0.3	+0.7	61,795	61,094	61,412	59,820	+3.3
otor vehicles and parts	12,232	12,340	12,461	-0.9	-1.0	+2.8	12,147	12,308	12,498	12,244	-0.8
-craft, missiles, pace vehicles, and parts	44,084	43,983	44,048	+0.2	-0.1	+0.3	44,866	43,958	44,027	42,780	+4.9
ipbuilding and tanks	1,738	1,681	1,709	+3.4	-1.6	+2.2	1,817	1,724	1,743	1,579	+15.1
uments and related products	23,684	23,570	23,435	+0.5	+0.6	+1.0	23,903	23,682	23,229	22,114	+8.1
arch and navigation equipment	5,864	5,841	5,726	+0.4	+2.0	+1.8	5,927	5,890	5,633	5,428	+9.2
easuring and controlling devices	7,732	7,685	7,677	+0.6	+0.1	+0.8	7,778	7,720	7,675	7,065	+10.1
edical instruments and supplies	6,575	6,566	6,568	+0.1	0.0	+0.2	6,641	6,577	6,464	6,177	+7.5
otographic goods	2,621	2,600	2,592	+0.8	+0.3	+1.5	2,655	2,608	2,585	2,558	+3.8
ther durable goods	25,188	24,898	25,147	+1.2	-1.0	-1.0	25,231	24,878	25,282	24,795	+1.8
urable goods industries	153,235	154,041	154,331	-0.5	-0.2	-0.4	154,005	154,790	154,410	152,460	+1.0
th unfilled orders	37,982	38,345	38,812	-0.9	-1.2	-1.8	38,452	38,762	38,809	38,057	+1.0
and kindred products	31,823	31,968	31,671	-0.5	+0.9	0.0	30,646	31,243	31,339	29,836	+2.7
at products	4,054	4,111	4,061	-1.4	+1.2	-0.1	4,111	4,192	4,125	3,588	+14.6
iry products	2,625	2,644	2,542	-0.7	+4.0	-4.7	2,717	2,722	2,507	2,698	+0.7
verages	5,393	5,399	5,433	-0.1	-0.6	+0.8	5,388	5,427	5,497	5,348	+0.7
other foods, except fats and oils	17,618	17,680	17,582	-0.4	+0.6	+0.4	16,297	16,703	17,053	16,651	-2.1
cco products	5,550	5,518	5,555	+0.6	-0.7	-0.4	5,322	5,442	5,631	5,173	+2.9
e mill products	10,144	10,190	10,230	-0.5	-0.4	-1.0	10,500	10,466	10,280	10,583	-0.8
adwoven fabrics and ther textiles	5,673	5,691	5,707	-0.3	-0.3	-0.9	5,815	5,824	5,722	5,857	-0.7
and allied products	16,170	16,364	16,684	-1.2	-1.9	-0.8	16,381	16,619	16,846	15,393	+6.4
p, paper, and aperboard mill products	6,872	6,998	7,229	-1.8	-3.2	-0.1	6,948	7,107	7,338	5,911	+17.5
erboard containers and boxes	4,077	4,152	4,239	-1.8	-2.1	-1.7	4,061	4,180	4,240	4,227	-3.9
scellaneous converted aper products	5,221	5,214	5,216	+0.1	0.0	-0.9	5,372	5,332	5,268	5,255	+2.2
icals and allied products	36,318	36,368	36,293	-0.1	+0.2	+0.6	36,704	36,779	36,612	36,024	+1.9
ustrial chemicals	17,749	17,910	17,870	-0.9	+0.2	+0.2	17,731	17,936	17,884	17,760	-0.2
gs, soaps, and toiletries	13,629	13,577	13,565	+0.4	+0.1	+1.1	13,997	13,653	13,455	13,437	+4.2
leum and coal products	11,618	11,691	11,676	-0.6	+0.1	+2.3	11,974	11,817	11,512	11,547	+3.7
er and plastics products	13,820	13,834	13,932	-0.1	-0.7	+0.1	14,000	14,104	14,211	14,342	-2.4
ther nondurable goods	27,792	28,108	28,290	-1.1	-0.6	-3.0	28,478	28,320	27,979	29,562	-3.7

Preliminary. [r] Revised.

e note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1996[p]	Apr 1996[r]	Mar 1996	Apr - May	Mar.- Apr	Feb - Mar	May 1996[p]	Apr 1996[r]	Mar 1996	May 1995	May 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	314,129	310,737	304,660	+1.1	+2.0	+0.3	316,801	307,441	319,575	298,324	+6.2	1,517,262	1,468,009
Market categories													
Automotive equipment	15,125	14,963	13,620	+1.1	+9.9	-4.8	16,586	16,024	14,522	14,917	+11.2	76,185	75,016
Home goods and apparel	20,709	20,430	20,444	+1.4	-0.1	+3.7	19,505	19,115	21,387	18,153	+7.4	95,805	93,317
Consumer staples	65,539	65,533	64,440	0.0	+1.7	+2.0	65,224	63,582	64,829	59,879	+8.9	313,520	292,705
Machinery and equipment	58,434	56,798	56,577	+2.9	+0.4	-0.2	58,412	55,203	63,219	53,249	+9.7	278,854	262,656
Business supplies	23,847	23,959	23,300	-0.5	+2.8	+0.6	23,998	24,503	23,529	22,335	+7.4	115,789	109,370
Construction materials and supplies	19,387	18,954	18,339	+2.3	+3.4	+1.0	19,885	18,956	18,502	18,751	+6.0	90,914	90,672
Defense products	6,764	6,644	6,866	+1.8	-3.2	+2.1	6,582	6,237	7,303	6,805	-3.3	32,328	34,054
Other materials, supplies and and intermediate products	104,324	103,456	101,074	+0.8	+2.4	-0.8	106,609	103,821	106,284	104,235	+2.3	513,867	510,219
Durable goods industries													
Nondefense capital goods [3]	45,164	43,690	44,633	+3.4	-2.1	+0.6	43,329	40,667	51,109	40,261	+7.6	211,600	198,425
Excluding aircraft and parts	39,575	39,095	39,972	+1.2	-2.2	+0.2	37,933	36,172	45,929	35,725	+6.2	189,162	174,073
Defense capital goods [4]	6,301	6,212	6,453	+1.4	-3.7	+2.8	6,120	5,733	6,879	6,360	-3.8	29,954	31,333
Durables excluding capital goods	119,094	117,546	112,781	+1.3	+4.2	-0.7	123,232	119,240	118,526	114,545	+7.6	581,677	566,147
Miscellaneous series													
Producers' durable equipment	110,523	108,128	105,117	+2.2	+2.9	-1.3	112,349	106,865	115,639	102,857	+9.2	534,163	510,826
Household durable goods	9,427	9,314	9,350	+1.2	-0.4	+7.0	8,995	8,856	10,058	7,876	+14.2	43,684	40,066
Information technology industries	22,499	21,875	22,664	+2.9	-3.5	-1.1	20,769	18,897	26,539	19,133	+8.6	103,774	92,557
Health care equipment and products	9,430	9,291	9,284	+1.5	+0.1	+1.9	8,945	8,820	9,813	8,228	+8.7	45,073	42,190
NEW ORDERS													
All manufacturing industries	315,899	310,043	309,485	+1.9	+0.2	+1.7	316,926	308,324	326,253	297,199	+6.6	1,541,533	1,482,961
Market categories													
Automotive equipment	15,116	14,950	13,592	+1.1	+10.0	-5.0	16,539	16,002	14,473	14,854	+11.3	76,188	74,968
Home goods and apparel	20,692	20,532	20,643	+0.8	-0.5	+3.9	19,567	19,575	21,912	18,915	+3.4	98,366	96,094
Consumer staples	65,627	65,599	64,391	0.0	+1.9	+2.0	65,320	63,633	64,739	59,913	+9.0	313,547	292,731
Machinery and equipment	60,131	55,931	60,342	+7.5	-7.3	+2.1	60,140	54,739	66,462	54,214	+10.9	293,348	267,494
Business supplies	23,916	24,176	23,162	-1.1	+4.4	+0.7	24,215	24,767	23,445	22,433	+7.9	116,148	109,987
Construction materials and supplies	19,360	18,916	18,323	+2.3	+3.2	+0.5	19,872	18,938	18,507	18,845	+5.4	91,517	91,391
Defense products	6,800	6,705	9,896	+1.4	-32.2	+56.8	5,271	5,798	12,789	4,903	+7.5	36,424	31,912
Other materials, supplies and and intermediate products	104,257	103,234	99,136	+1.0	+4.1	-1.2	106,002	104,872	103,926	103,122	+2.8	515,995	518,384
Durable goods industries													
Nondefense capital goods [3]	46,751	42,633	48,782	+9.7	-12.6	+4.7	44,913	39,813	54,277	41,474	+8.3	225,486	203,201
Excluding aircraft and parts	38,963	38,916	40,246	+0.1	-3.3	-2.0	37,318	36,196	45,222	36,441	+2.4	192,222	180,938
Defense capital goods [4]	6,238	6,207	9,450	+0.5	-34.3	+63.4	4,687	5,308	12,361	4,359	+7.5	34,165	29,015
Durables excluding capital goods	119,183	117,637	111,045	+1.3	+5.9	-1.4	122,821	120,848	116,531	114,017	+7.7	586,095	576,169
Miscellaneous series													
Producers' durable equipment	111,905	107,275	107,967	+4.3	-0.6	-0.9	113,966	106,447	117,616	104,037	+9.5	548,570	518,003
Household durable goods	9,439	9,369	9,431	+0.7	-0.7	+7.5	9,055	9,126	10,219	8,187	+10.6	45,007	41,040
Information technology industries	21,306	22,126	22,900	-3.7	-3.4	-0.6	20,149	19,517	26,528	19,778	+1.9	104,777	95,724
Health care equipment and products	9,582	9,319	8,969	+2.8	+3.9	-3.0	9,097	8,849	9,499	8,058	+12.9	45,161	41,614

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines; internal combustion engines, construction, mining, and mat handling equipment, metalworking machinery, special industry machinery, general industrial machinery; computer and office equipment, refrigeration, heating and se industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and en and parts, ships and tank components, railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, r and tank components, and search and navigation equipment

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 96/95
	May 1996[p]	Apr. 1996[r]	Mar. 1996	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1996[p]	Apr. 1996[r]	Mar. 1996	May 1995	
UNFILLED ORDERS											
All manufacturing industries	480,836	479,066	479,760	+0.4	-0.1	+1.0	485,628	485,503	484,620	466,720	+4.1
Market categories :											
Automotive equipment	1,880	1,889	1,902	-0.5	-0.7	-1.5	1,864	1,912	1,935	2,099	-11.2
Home goods and apparel	9,979	9,997	9,896	-0.2	+1.0	+2.1	10,569	10,506	10,046	11,106	-4.8
Consumer staples	1,886	1,798	1,731	+4.9	+3.9	-2.8	1,800	1,704	1,652	1,657	+8.6
Machinery and equipment	207,283	205,587	206,453	+0.8	-0.4	+1.9	208,054	206,326	206,791	185,670	+12.1
Business supplies	6,110	6,040	5,823	+1.2	+3.7	-2.3	6,313	6,096	5,832	6,426	-1.8
Construction materials and supplies	15,776	15,803	15,841	-0.2	-0.2	-0.1	15,949	15,963	15,982	16,158	-1.3
Defense products	106,545	106,509	106,448	0.0	+0.1	+2.9	107,484	108,796	109,234	105,095	+2.3
Other materials, supplies and and intermediate products	131,377	131,443	131,666	-0.1	-0.2	-1.5	133,595	134,200	133,148	138,509	-3.5
Durable goods industries :											
Nondefense capital goods [3]	225,908	224,321	225,378	+0.7	-0.5	+1.9	226,212	224,628	225,482	204,692	+10.5
Excluding aircraft and parts	100,386	100,998	101,177	-0.6	-0.2	+0.3	100,690	101,305	101,281	97,872	+2.9
Defense capital goods [4]	111,474	111,537	111,542	-0.1	0.0	+2.8	112,496	113,929	114,354	110,787	+1.5
Durables excluding capital goods	120,586	120,497	120,406	+0.1	+0.1	-1.4	123,266	123,677	122,069	124,449	-1.0
Miscellaneous series :											
Producers' durable equipment	241,141	239,759	240,612	+0.6	-0.4	+1.2	242,088	240,471	240,889	220,891	+9.6
Household durable goods	6,202	6,190	6,135	+0.2	+0.9	+1.3	6,442	6,382	6,112	6,171	+4 4
Information technology industries	40,088	41,281	41,030	-2.9	+0.6	+0.6	40,483	41,103	40,483	40,096	+1.0
Health care equipment and products	6,057	5,905	5,877	+2.6	+0.5	-5.1	6,058	5,905	5,877	5,746	+5.4
TOTAL INVENTORIES											
All manufacturing industries	420,728	421,467	421,521	-0.2	0.0	-0.2	424,432	423,453	420,801	412,496	+2.9
Market categories :											
Automotive equipment	6,909	6,937	6,891	-0.4	+0.7	+2.4	6,921	6,998	7,052	6,609	+4.7
Home goods and apparel	33,442	33,681	33,790	-0.7	-0.3	-1.8	34,725	34,219	33,650	35,192	-1.3
Consumer staples	60,483	60,618	60,459	-0.2	+0.3	+0.2	59,833	60,021	59,934	58,283	+2.7
Machinery and equipment	108,364	108,117	107,206	+0.2	+0.8	0.0	110,224	108,718	106,415	101,107	+9.0
Business supplies	23,646	23,674	23,679	-0.1	0.0	-1.1	23,885	23,984	23,755	23,891	0.0
Construction materials and supplies	25,818	25,811	26,064	0.0	-1.0	-0.7	26,072	26,126	26,387	26,631	-2.1
Defense products	20,405	20,521	20,758	-0.6	-1.1	+0.8	20,687	20,574	20,705	21,707	-4.7
Other materials, supplies and and intermediate products	141,661	142,108	142,674	-0.3	-0.4	0.0	142,085	142,813	142,903	139,076	+2.2
Durable goods industries :											
Nondefense capital goods [3]	102,713	102,570	101,557	+0.1	+1.0	-0.4	104,710	103,119	100,403	96,149	+8.9
Excluding aircraft and parts	72,749	72,938	72,121	-0.3	+1.1	-0.6	74,217	73,553	70,979	69,374	+7.0
Defense capital goods [4]	20,816	20,930	21,177	-0.5	-1.2	+0.9	21,153	21,008	21,114	22,414	-5.6
Durables excluding capital goods	143,964	143,926	144,456	0.0	-0.4	+0.1	144,564	144,536	144,874	141,473	+2.2
Miscellaneous series :											
Producers' durable equipment	168,787	168,723	168,020	0.0	+0.4	-0.1	171,176	169,729	167,166	162,312	+5.5
Household durable goods	15,152	15,183	15,175	-0.2	+0.1	-1.1	15,579	15,357	15,125	15,288	+1.9
Information technology industries	40,067	40,290	39,646	-0.6	+1.6	+0.3	40,901	40,599	38,574	36,490	+12.1
Health care equipment and products	13,990	13,953	13,951	+0.3	0.0	+0.7	14,254	14,006	13,789	13,499	+5.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1996[r]	Apr 1996[r]	Mar. 1996	Apr - May	Mar - Apr	Feb - Mar	May 1996[p]	Apr 1996[r]	Mar 1996	May 1995	May 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	137,513	138,075	138,130	-0.4	0.0	-0.6	136,774	137,441	136,973	133,757	+2.3
Durable goods industries	81,559	81,761	81,702	-0.2	+0.1	-0.2	80,881	80,906	80,468	77,535	+4.3
Stone, clay, and glass products	2,796	2,797	2,807	0.0	-0.4	-0.5	2,795	2,760	2,786	2,798	-0.1
Primary metals	6,845	6,773	6,733	+1.1	+0.6	-0.3	6,672	6,547	6,533	6,554	+1.8
Fabricated metal products	8,791	8,797	8,753	-0.1	+0.5	+0.1	8,757	8,766	8,738	8,953	-2.2
Industrial machinery and equipment	18,881	18,817	18,787	+0.3	+0.2	-0.5	18,980	18,651	18,281	17,868	+6.2
Electronic and other electrical equipment	16,288	16,430	16,184	-0.9	+1.5	-1.1	16,124	16,384	15,959	14,689	+9.8
Transportation equipment	10,231	10,371	10,507	-1.3	-1.3	+0.8	10,302	10,437	10,533	10,319	-0.2
Instruments and related products	7,538	7,564	7,498	-0.3	+0.9	+1.2	7,583	7,597	7,447	6,957	+9.0
Lumber, furniture and miscellaneous durable goods	10,189	10,212	10,433	-0.2	-2.1	-0.7	9,668	9,764	10,191	9,397	+2.9
Nondurable goods industries	55,954	56,314	56,428	-0.6	-0.2	-1.1	55,893	56,535	56,505	56,222	-0.6
Food and kindred products	10,779	10,769	10,635	+0.1	+1.3	-0.3	10,529	10,748	10,712	9,845	+6.9
Tobacco products	4,721	4,708	4,764	+0.3	-1.2	-0.1	4,628	4,737	4,903	4,565	+1.4
Textile mill products	2,934	2,938	2,937	-0.1	0.0	-2.5	3,025	2,982	2,941	3,094	-2.2
Paper and allied products	7,652	7,801	7,804	-1.9	0.0	-2.1	7,621	7,793	7,818	7,838	-2.8
Chemicals and allied products	11,782	11,737	11,685	+0.4	+0.4	+0.3	11,867	11,770	11,630	11,716	+1.3
Petroleum and coal products	3,372	3,534	3,577	-4.6	-1.2	+1.4	3,488	3,656	3,543	3,447	+1.2
Rubber and plastics products	4,924	4,893	4,880	+0.6	+0.3	-1.9	4,951	4,934	4,897	5,349	-7.4
Apparel, printing and publishing and leather goods	9,790	9,934	10,146	-1.4	-2.1	-2.9	9,784	9,915	10,061	10,368	-5.6
WORK IN PROCESS											
All manufacturing industries	138,375	138,267	137,746	+0.1	+0.4	+0.2	139,274	138,367	137,395	133,912	+4.0
Durable goods industries	113,407	113,284	112,866	+0.1	+0.4	+0.3	114,565	113,459	112,611	109,562	+4.6
Stone, clay, and glass products	1,293	1,298	1,318	-0.4	-1.5	-0.5	1,349	1,365	1,392	1,347	+0.1
Primary metals	8,433	8,448	8,426	-0.2	+0.3	+0.5	8,430	8,479	8,496	8,114	+3.9
Fabricated metal products	7,505	7,583	7,550	-1.0	+0.4	-0.5	7,544	7,616	7,575	8,032	-6.1
Industrial machinery and equipment	20,315	20,334	20,236	-0.1	+0.5	-1.0	20,503	20,215	19,872	19,625	+4.5
Electronic and other electrical equipment	18,382	18,278	18,104	+0.6	+1.0	+1.6	18,672	18,446	18,123	16,894	+10.5
Transportation equipment	42,467	42,467	42,382	0.0	+0.2	+0.4	42,932	42,310	42,362	41,086	+4.5
Instruments and related products	10,104	9,999	9,934	+1.1	+0.7	+2.2	10,175	10,093	9,856	9,288	+9.5
Lumber, furniture and miscellaneous durable goods	4,908	4,877	4,916	+0.6	-0.8	-1.3	4,960	4,935	4,935	5,176	-4.2
Nondurable goods industries	24,968	24,983	24,880	-0.1	+0.4	-0.4	24,709	24,908	24,784	24,350	+1.5
Food and kindred products	4,283	4,292	4,277	-0.2	+0.4	-0.1	3,896	4,095	4,252	3,708	+5.1
Tobacco products	195	184	185	+6.0	-0.5	+8.8	144	144	158	135	+6.7
Textile mill products	2,693	2,721	2,738	-1.0	-0.6	+0.1	2,715	2,754	2,745	2,704	+0.4
Paper and allied products	1,588	1,583	1,598	+0.3	-0.9	-1.1	1,607	1,603	1,602	1,402	+14.6
Chemicals and allied products	5,730	5,815	5,819	-1.5	-0.1	0.0	5,783	5,802	5,774	5,561	+4.0
Petroleum and coal products	2,373	2,346	2,366	+1.2	-0.8	+5.6	2,423	2,373	2,365	2,404	+0.8
Rubber and plastics products	1,995	2,005	2,060	-0.5	-2.7	+1.1	1,986	1,996	2,045	2,105	-5.7
Apparel, printing and publishing and leather goods	6,111	6,037	5,837	+1.2	+3.4	-4.0	6,155	6,141	5,843	6,331	-2.8
FINISHED GOODS											
All manufacturing industries	144,840	145,125	145,645	-0.2	-0.4	-0.1	148,384	147,645	146,433	144,827	+2.5
Durable goods industries	72,527	72,381	72,622	+0.2	-0.3	-0.4	74,981	74,298	73,312	72,939	+2.8
Stone, clay, and glass products	3,990	4,066	4,118	-1.9	-1.3	-0.2	4,141	4,235	4,210	4,353	-4.9
Primary metals	6,579	6,671	6,886	-1.4	-3.1	+2.1	6,748	6,882	6,957	7,092	-4.9
Fabricated metal products	8,168	8,171	8,341	0.0	-2.0	-2.3	8,546	8,567	8,611	8,891	-3.9
Industrial machinery and equipment	16,417	16,504	16,276	-0.5	+1.4	+1.0	16,815	16,936	16,391	15,412	+9.1
Electronic and other electrical equipment	12,896	12,900	12,838	0.0	+0.5	-2.6	13,422	13,160	12,544	12,685	+5.8
Transportation equipment	8,344	8,253	8,362	+1.1	-1.3	+2.2	8,561	8,347	8,517	8,415	+1.7
Instruments and related products	6,042	6,007	6,003	+0.6	+0.1	-1.2	6,145	5,992	5,926	5,869	+4.7
Lumber, furniture and miscellaneous durable goods	10,091	9,809	9,798	+2.9	+0.1	-1.2	10,603	10,179	10,156	10,222	+3.7
Nondurable goods industries	72,313	72,744	73,023	-0.6	-0.4	+0.1	73,403	73,347	73,121	71,888	+2.1
Food and kindred products	16,761	16,907	16,759	-0.9	+0.9	+0.3	16,221	16,400	16,375	16,283	-0.4
Tobacco products	634	626	606	+1.3	+3.3	-4.9	550	561	570	473	+16.3
Textile mill products	4,517	4,531	4,555	-0.3	-0.5	-0.7	4,760	4,730	4,594	4,785	-0.5
Paper and allied products	6,930	6,980	7,282	-0.7	-4.1	+0.8	7,153	7,223	7,426	6,153	+16.3
Chemicals and allied products	18,806	18,816	18,789	-0.1	+0.1	+1.0	19,054	19,207	19,208	18,747	+1.6
Petroleum and coal products	5,873	5,811	5,733	+1.1	+1.4	+1.6	6,063	5,788	5,604	5,696	+6.4
Rubber and plastics products	6,901	6,936	6,992	-0.5	-0.8	+1.2	7,063	7,174	7,269	6,888	+2.5
Apparel, printing and publishing and leather goods	11,891	12,137	12,307	-2.0	-1.4	-2.5	12,539	12,264	12,075	12,863	-2.5

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1996[p]	Apr. 1996[r]	Mar. 1996	Feb. 1996	May 1996[p]	Apr. 1996[r]	Mar. 1996	Feb. 1996
All manufacturing industries	1.34	1.36	1.38	1.39	2.80	2.83	2.86	2.84
Durable goods industries	1.57	1.60	1.63	1.63	3.35	3.40	3.44	3.40
Stone, clay, and glass products	1.02	1.07	1.10	1.13	1.04	1.11	1.13	1.15
Primary metals	1.48	1.49	1.55	1.53	1.96	1.95	1.98	2.00
Fabricated metal products	1.45	1.48	1.56	1.56	1.37	1.37	1.44	1.43
Industrial machinery and equipment	1.68	1.70	1.67	1.65	2.37	2.39	2.36	2.35
Electronic and other electrical equipment	1.69	1.71	1.68	1.71	1.87	1.92	1.92	1.95
Transportation equipment	1.50	1.55	1.67	1.61	11.80	12.47	12.88	12.41
Instruments and related products	1.99	2.02	2.00	1.96	3.88	3.97	3.95	3.95
Nondurable goods industries	1.07	1.08	1.10	1.11	0.65	0.65	0.64	0.66
Food and kindred products	0.82	0.83	0.84	0.84	(X)	(X)	(X)	(X)
Tobacco products	1.93	1.88	1.84	1.85	(X)	(X)	(X)	(X)
Textile mill products	1.65	1.69	1.68	1.72	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.25	1.28	1.27	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.15	1.17	1.19	1.19	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.73	0.78	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.34	1.38	1.39	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1996	May[2] 1991-1995	May 1995-Apr. 1996	May[1] 1996	May[2] 1991-1995	May 1995-Apr. 1996	May[1] 1996	May[2] 1991-1995	May 1995-Apr. 1996	May[1] 1996	May[2] 1991-1995	May 1995-Apr. 1996
All manufacturing industries	(X)	0.1	0.2	(X)	0.5	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.2	0.2	0.1	0.8	0.3	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.6	(X)	0.9	0.8	(X)	0.4	0.5	(X)	0.1	0.1
Primary metals	0.1	0.2	0.4	0.1	1.2	0.8	0.0	0.4	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.5	0.4	(X)	0.7	0.4	(X)	0.2	0.3	(X)	0.4	0.2
Industrial machinery and equipment	-0.1	0.4	0.4	-0.2	0.6	0.6	0.0	0.1	0.2	(X)	0.2	0.1
Electronic and other electrical equipment	0.5	0.3	0.3	0.9	0.4	0.5	0.3	0.1	0.3	(X)	0.1	0.1
Transportation equipment	-0.1	0.5	0.6	0.0	2.9	1.0	0.0	0.2	0.2	(X)	0.2	0.3
Instruments and related products	(X)	1.2	0.4	(X)	0.9	0.9	(X)	0.2	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.5	0.3	(X)	0.2	0.1
Food and kindred products	(X)	0.7	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.2
Tobacco products	(X)	5.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.0
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
Paper and allied products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.3
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.2
Rubber and plastics products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	0.0	0.6	0.4	0.1	1.8	0.6	0.0	0.1	0.1	(X)	0.1	0.3
Defense	0.0	2.0	0.8	0.1	10.9	4.8	0.0	0.3	0.2	(X)	0.5	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

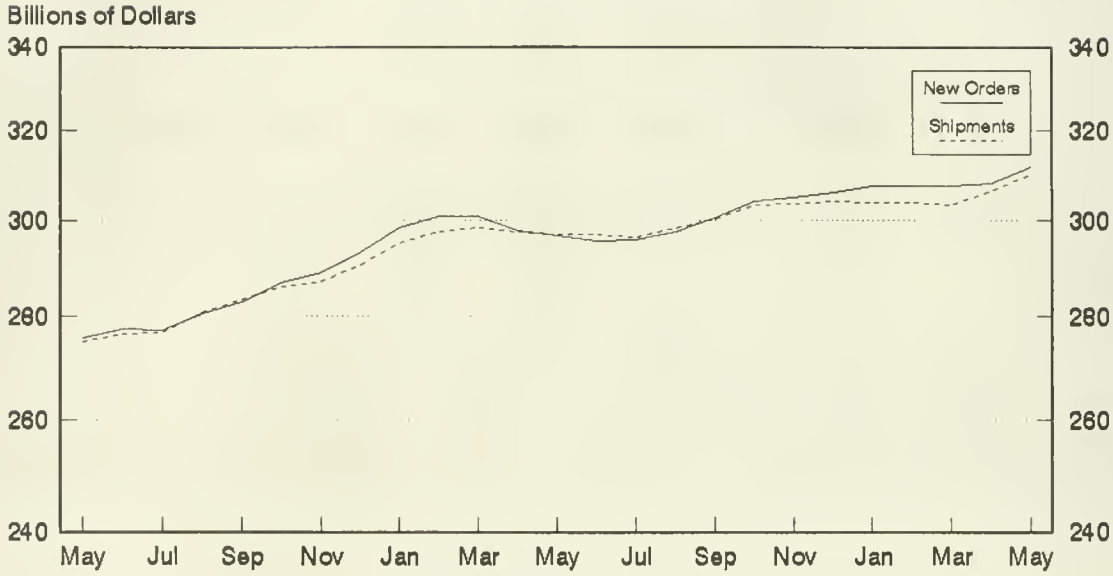
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

Total Manufacturing

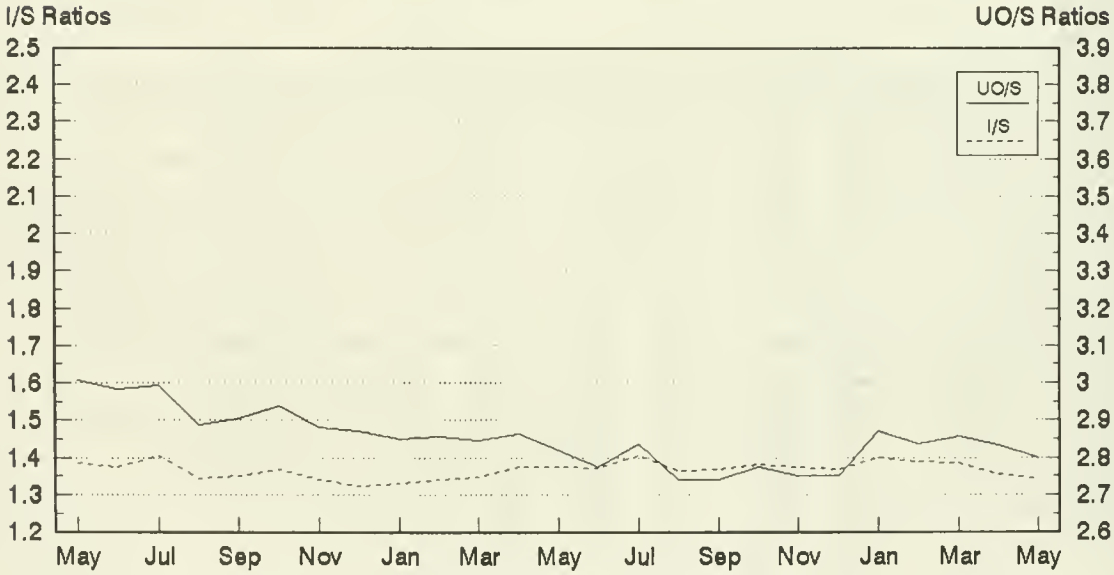
New Orders and Shipments
Three Month Moving Averages



May, 1994 - May, 1996

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

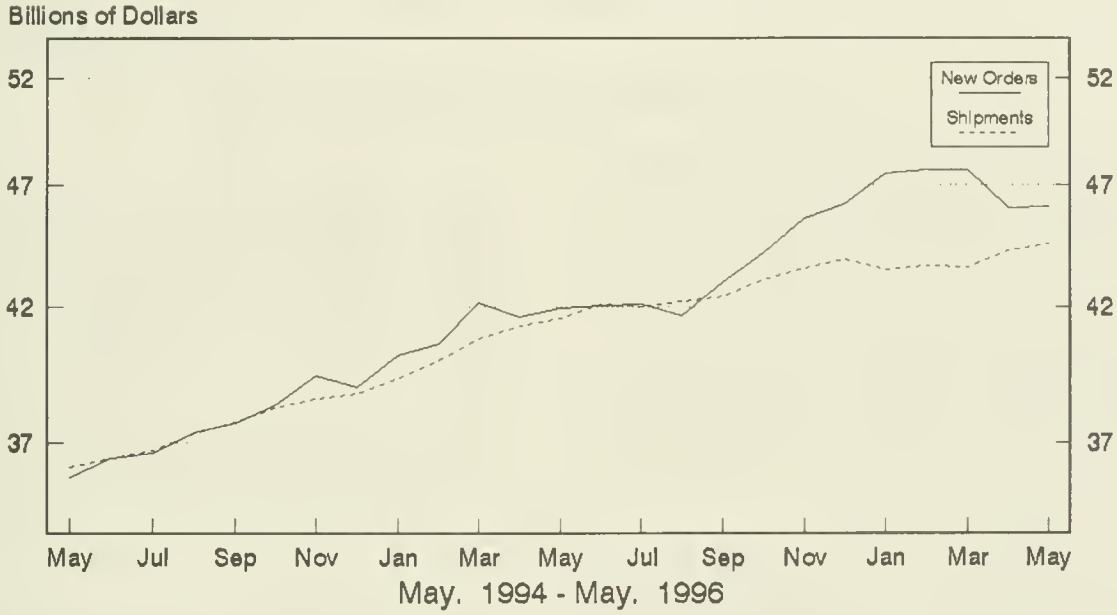


May, 1994 - May, 1996

Note: All Charts based on seasonally adjusted current dollars.

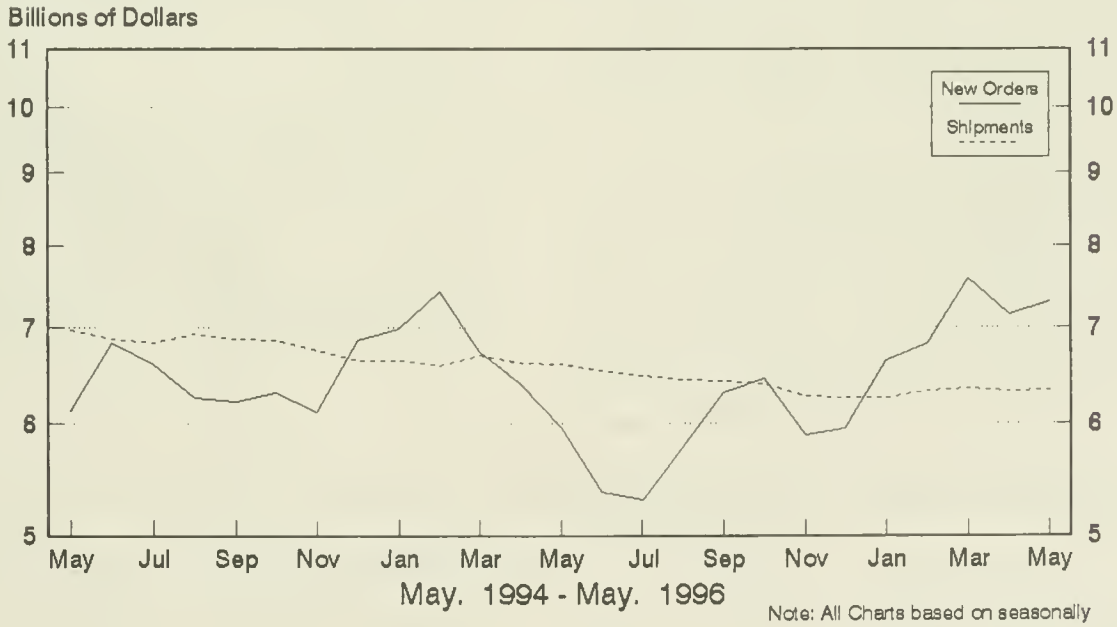
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid-July. The revisions to the historical data are the result of:

- benchmarking the shipments and inventory data to the revised 1988-1991 Annual Survey of Manufactures (ASM); 1992 Census of Manufactures; and 1993-1994 Annual Survey of Manufactures (ASM).
- benchmarking the defense shipments series to the 1992 MC9675 "Shipments to Federal Government Agencies."
- adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data.
- correcting monthly data for late receipts, reclassification of reported data, and revisions to previously reported data.
- updating the trading day adjustment factors for the shipments series.
- updating the seasonal adjustment factors for all series, including re-evaluating options used.

The publication will include data from 1982-December 1995. Please call Kathy Menth on (301) 457-4832 with questions.

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Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

June 1996
M3-1-(96)-6
For Wire Transmissions 10:00 a.m. E.D.T. August 2, 1996

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in June decreased $3.0 billion or 0.9 percent to $311.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.3 percent May increase and is the first decline since February. Excluding transportation, new orders decreased 0.8 percent, the first decrease since March. Year to date, new orders are 4.3 percent above the same period a year ago.

Shipments, down for the first month since March, decreased $3.0 billion or 1.0 percent to $308.2 billion, following a 1.0 percent May increase. Year to date, shipments are 3.3 percent above the same period a year ago.

Unfilled orders, up nine of the last ten months, increased $3.0 billion or 0.6 percent to $499.0 billion, following a 0.6 percent May increase. The unfilled orders-to-shipments ratio was 2.91, up from 2.89 in May.

Inventories decreased $0.1 billion to $434.1 billion, following a 0.3 percent May decrease. The inventories-to-shipments ratio was 1.41, up from 1.40 in May.

New Orders

New orders for manufactured durable goods in June decreased $1.1 billion or 0.6 percent to $169.2 billion, revised from the previously published 0.8 percent decrease. This follows a 4.2 percent May increase and is the second decrease in the last three months.

Transportation equipment, down two of the last three months, decreased $0.7 billion or 1.7 percent to $41.6 billion; a large decline in aircraft and parts, and motor vehicles and parts more than offset an increase in shipbuilding and tanks. This follows a 14.6 percent May increase. Instruments and related products, down three of the last four months, declined $0.4 billion or 3.0 percent to $12.1 billion. Fabricated metal products decreased $0.3 billion or 1.5 percent to $17.8 billion. This follows a 3.4 percent May increase and is the first decline since March. Primary metals, down for the first month since March, decreased $0.2 billion or 1.4 percent to $15.4 billion, following a 2.0 percent May increase. Industrial machinery and equipment, also down for the first month since March, decreased $0.1 billion or 0.4 percent to $31.5 billion. This follows a 1.2 percent May increase. Electronic and other electrical equipment, up for the first month since March, increased $0.5 billion or 2.0 percent to $26.3 billion, mostly due to communication equipment.

New orders for nondurable goods, down for the first month since February, decreased $1.9 billion or 1.3 percent to $142.0 billion, following a 0.3 percent May increase. The largest declines were in petroleum and coal products, food and kindred products, and chemicals and allied products; textile mill products had the largest increase.

Shipments

Shipments of durable goods in June decreased $1.1 billion or 0.6 percent to $166.4 billion, revised from the previously published 1.0 percent decrease. This is the first decrease since March.

Transportation equipment, down for the first month since March, had the largest decrease, $1.3 billion or 3.3 percent to $38.4 billion, due to aircraft and parts, and motor vehicles and parts. This follows a 4.2 percent May increase. Primary metals decreased $0.5 billion or 3.2 percent to $14.6 billion. This follows a slight May decline and is the ninth decline in the last ten months. Stone, clay, and glass products, down for the first month since February, declined $0.1 billion or 1.6 percent to $6.9 billion, following a 3.6 percent May increase. Industrial machinery and equipment increased $0.4 billion or 1.3 percent to $31.7 billion, following a 0.5 percent May increase. Electronic and other electrical equipment increased $0.2 billion or 0.9 percent to $26.9 billion. This is the second consecutive increase and the fourth in the last five months.

Shipments of nondurable goods, down for the first month since December, decreased $2.0 billion or 1.4 percent to $141.7 billion, following a 0.2 percent May increase. Petroleum and coal products had the largest decrease, $0.8 billion or 5.1 percent to $14.5 billion. Food and kindred products, down for the first month since February, decreased $0.7 billion or 1.9 percent to $37.9 billion. Chemicals and allied products, down for the first month since March, declined $0.6 billion or 1.8 percent to $30.7 billion.

Unfilled Orders

Unfilled orders for durable goods in June increased $2.8 billion or 0.6 percent to $475.1 billion, revised from the previously published 0.7 percent increase. This follows a 0.6 percent May increase and is the ninth increase in the last ten months.

Transportation equipment, up nine of the last ten months, had the largest increase, $3.2 billion or 1.4 percent to $240.3 billion, mostly due to aircraft and parts, and shipbuilding and tanks. This follows a 1.1 percent May increase. Primary metals, up eight of the last nine months, increased $0.8 billion or 2.6 percent to $30.6 billion. This follows a 1.8 percent May increase. Fabricated metal products increased $0.1 billion or 0.6 percent to $22.3 billion, the fifth consecutive monthly increase. Electronic and other electrical equipment, down seven of the last eight months, decreased $0.6 billion or 1.3 percent to $47.9 billion, following a 1.8 percent May decrease. Instruments and related products, down three of the last four months, decreased $0.4 billion or 0.8 percent to $47.9 billion, following a 0.1 percent May decline. Industrial machinery and equipment, down for the first month since March, decreased $0.3 billion or 0.4 percent to $71.8 billion.

Inventories

Inventories of durable goods in June increased $0.2 billion or 0.1 percent to $274.1 billion, following a slight May decrease. This is the fifth increase in the last six months. Transportation equipment, up five of the last six months, increased $0.9 billion or 1.3 percent to $66.5 billion. This follows a 0.2 percent May increase. Electronic and other electrical equipment increased $0.2 billion or 0.6 percent to $41.2 billion, following a 0.1 percent May decrease. Industrial machinery and equipment, down three of the last four months, decreased $0.6 billion or 1.1 percent to $58.9 billion, following a 0.3 percent May decline. Fabricated metal products, down ten of the last eleven months, decreased $0.2 billion or 0.8 percent to $25.7 billion, following a 0.6 percent May decline. Instruments and related products, down for the first month since May 1995, declined $0.2 billion or 0.6 percent to $24.5 billion.

Inventories of nondurable goods, down for the fourth consecutive month, decreased $0.3 billion or 0.2 percent to $160.0 billion, following a 0.7 percent May decline. The largest decreases were in printing and publishing, and paper and allied products.

By stage of fabrication, June finished goods increased 0.8 percent in durables and 0.2 percent in nondurables. Work in process increased 0.5 percent in durables and 0.1 percent in nondurables. Materials and supplies decreased 1.1 percent in durables and 0.9 percent in nondurables.

NOTE: The data in this press release are consistent with the revised historical series released July 18, 1996. A report which includes these data from 1982 through 1995 is available on the internet, on STAT-USA, on diskettes, or from Census Bureau's customer services for $10.00. Please call (301) 457-4100 to order the book, or (301) 457-1227 to order diskettes. Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for July is scheduled for August 23, 1996 at 8:30 a.m. and the full report on August 30, 1996 at 10.00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1996[p]	May 1996[r]	Apr 1996	May-June	Apr-May	Mar-Apr	June 1996[p]	May 1996[r]	Apr 1996	June 1995	June 96/95	1996[p]	1995
All manufacturing industries	308,175	311,203	308,003	-1.0	+1.0	+2.4	330,270	314,342	305,245	318,461	+3.7	1,834,262	1,775,119
Manufacturing Industries													
with unfilled orders	171,332	171,810	169,539	-0.3	+1.3	+1.1	185,651	170,613	165,004	179,598	+3.4	1,012,442	978,966
without defense capital goods	301,924	305,204	302,103	-1.1	+1.0	+2.6	323,513	308,472	299,763	311,935	+3.7	1,798,871	1,739,043
Durable goods industries	166,434	167,487	164,615	-0.6	+1.7	+2.6	181,756	169,746	162,910	173,342	+4.9	990,870	956,858
With unfilled orders	135,261	135,942	133,587	-0.5	+1.8	+1.2	148,556	135,508	129,665	142,071	+4.6	801,074	768,675
Stone, clay, and glass products	6,881	6,993	6,747	-1.6	+3.6	+1.6	7,559	7,193	6,911	6,806	+11.1	39,862	36,373
Primary metals	14,583	15,059	15,065	-3.2	0.0	+2.3	15,342	15,569	15,382	16,284	-5.8	90,894	95,326
Blast furnaces, steel mills	6,170	6,140	6,171	+0.5	-0.5	+4.1	6,404	6,319	6,299	6,539	-2.1	37,486	39,116
Iron and steel foundries	1,390	1,411	1,390	-1.5	+1.5	+9.2	1,515	1,520	1,463	1,360	+11.4	8,436	7,961
Nonferrous and other primary metals	7,023	7,508	7,504	-6.5	+0.1	-0.2	7,423	7,730	7,620	8,385	-11.5	44,972	48,249
Fabricated metal products	17,623	17,631	17,421	0.0	+1.2	+5.3	18,728	18,108	17,453	17,411	+7.6	103,846	99,831
Industrial machinery and equipment	31,731	31,337	31,168	+1.3	+0.5	-0.7	36,335	30,909	29,714	33,786	+7.5	190,866	175,614
Engines and turbines	1,751	1,636	1,647	+7.0	-0.7	-6.1	2,085	1,566	1,468	1,877	+11.1	10,338	10,727
Farm and garden machinery	1,841	1,871	1,755	-1.6	+6.6	-2.6	1,869	2,246	2,276	1,732	+7.9	12,721	12,116
Construction, mining and material handling equipment	3,605	3,562	3,555	+1.2	+0.2	0.0	3,922	3,660	3,625	3,582	+9.5	21,954	20,074
Metalworking machinery	3,172	3,187	3,145	-0.5	+1.3	+0.8	3,448	3,127	2,934	3,344	+3.1	18,296	17,388
Computer and office equipment	8,411	8,416	8,407	-0.1	+0.1	-4.2	10,808	7,403	6,536	10,259	+5.4	49,931	43,873
Electronic and other electrical equipment	26,934	26,694	26,587	+0.9	+0.4	-0.5	29,258	25,941	24,997	27,306	+7.1	156,378	141,965
Electrical transmission and distribution equipment and industrial apparatus	3,187	3,076	3,123	+3.6	-1.5	-4.1	3,563	3,033	3,101	3,468	+2.7	18,691	18,543
Household appliances	2,063	2,084	2,027	-1.0	+2.8	-1.6	2,342	2,131	2,029	2,170	+7.9	12,274	11,473
Electric lighting and wiring equipment	2,021	2,016	1,987	+0.2	+1.5	-0.8	2,122	1,999	1,902	2,010	+5.6	12,007	11,767
Household audio and video equipment	1,311	1,287	1,366	+1.9	-5.8	+8.5	1,148	1,070	1,105	1,005	+14.2	6,486	5,875
Communications equipment	6,187	5,815	5,599	+6.4	+3.9	-5.4	7,125	5,396	5,108	6,175	+15.4	33,583	29,070
Electronic components	10,165	10,293	10,442	-1.2	-1.4	-0.8	10,856	10,222	9,906	10,439	+4.0	61,717	54,069
Transportation equipment	38,360	39,671	38,080	-3.3	+4.2	+8.4	41,736	41,988	39,798	40,859	+2.1	233,755	236,285
Motor vehicles and parts	26,971	27,603	27,111	-2.3	+1.8	+11.5	28,998	30,214	29,095	27,530	+5.3	167,598	166,895
Aircraft, missiles, space vehicles, and parts	8,268	9,208	8,113	-10.2	+13.5	-3.1	9,504	8,817	7,713	10,051	-5.4	48,392	51,280
Shipbuilding and tanks	934	784	865	+19.1	-9.4	+8.3	1,026	781	846	912	+12.5	5,052	5,152
Instruments and related products	12,516	12,566	12,328	-0.4	+1.9	-0.5	13,709	12,587	11,676	13,150	+4.3	74,236	71,832
Search and navigation equipment	2,471	2,535	2,536	-2.5	0.0	+2.7	2,663	2,565	2,340	2,716	-2.0	14,990	15,409
Measuring and controlling devices	3,825	3,840	3,629	-0.4	+5.8	-4.0	4,074	3,844	3,454	3,938	+3.5	22,634	21,582
Medical instruments and supplies	3,969	3,936	3,895	+0.8	+1.1	-0.2	4,374	3,848	3,692	4,020	+8.8	23,365	22,027
Photographic goods	1,891	1,883	1,893	+0.4	-0.5	+0.3	2,196	1,934	1,806	2,085	+5.3	11,064	10,786
All other durable goods	17,806	17,536	17,219	+1.5	+1.8	+2.4	19,089	17,451	16,979	17,740	+7.6	101,033	99,632
Nondurable goods industries	141,741	143,716	143,388	-1.4	+0.2	+2.2	148,514	144,596	142,335	145,119	+2.3	843,392	818,261
With unfilled orders	36,071	35,868	35,952	+0.6	-0.2	+0.8	37,095	35,105	35,339	37,527	-1.2	211,368	210,291
Food and kindred products	37,863	38,583	38,476	-1.9	+0.3	+1.7	38,826	38,760	37,328	37,273	+4.2	225,313	213,715
Meat products	8,960	9,029	8,842	-0.8	+2.1	-0.9	9,148	9,232	8,585	8,650	+5.8	52,610	48,849
Dairy products	4,761	4,764	4,619	-0.1	+3.1	-1.0	4,970	4,850	4,537	4,638	+7.2	28,181	26,976
Beverages	5,554	5,643	5,667	-1.6	-0.4	+2.5	6,371	6,123	5,685	6,049	+5.3	33,350	31,074
All other foods, except fats and oils	16,709	17,280	17,376	-3.3	-0.6	-2.9	16,458	16,688	16,549	16,240	+1.3	99,732	96,028
Tobacco products	2,752	2,669	2,719	+3.1	-1.8	+1.2	2,848	2,757	2,637	2,716	+4.9	16,151	15,800
Textile mill products	6,689	6,487	6,355	+3.1	+2.1	-1.0	7,481	6,500	6,076	7,302	+2.5	38,287	39,741
Broadwoven fabrics and other textiles	4,066	3,945	3,884	+3.1	+1.6	-0.6	4,465	4,039	3,764	4,381	+1.9	23,698	24,780
Paper and allied products	13,417	13,474	13,621	-0.4	-1.1	+0.5	14,059	13,456	13,296	15,537	-9.5	81,629	85,661
Pulp, paper, and paperboard mill products	5,419	5,413	5,463	+0.1	-0.9	+0.2	5,712	5,431	5,345	6,845	-16.6	33,144	37,744
Paperboard containers and boxes	3,378	3,422	3,473	-1.3	-1.5	-1.8	3,496	3,473	3,504	3,941	-11.3	21,150	22,161
Miscellaneous converted paper products	4,620	4,639	4,685	-0.4	-1.0	+2.7	4,851	4,552	4,447	4,751	+2.1	27,335	25,756
Chemicals and allied products	30,695	31,266	30,606	-1.8	+2.2	+2.7	32,765	31,896	31,646	32,166	+1.9	185,864	181,691
Industrial chemicals	15,264	15,640	15,194	-2.4	+2.9	+1.1	16,241	15,940	15,590	16,986	-4.4	92,880	96,345
Drugs, soaps and toiletries	11,423	11,580	11,377	-1.4	+1.8	+1.8	11,868	10,768	10,721	10,874	+9.1	66,346	60,768
Petroleum and coal products	14,475	15,246	15,597	-5.1	-2.3	+7.3	15,665	16,081	15,837	13,974	+12.1	86,491	76,207
Rubber and plastics products	11,898	11,993	11,938	-0.8	+0.5	+1.8	12,820	12,494	12,246	12,799	+0.2	72,190	73,568
All other nondurable goods	23,952	23,998	24,076	-0.2	-0.3	+1.6	24,050	22,652	23,269	23,352	+3.0	137,467	131,878

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey variability

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr.-May	Mar.-Apr.	June 1996[p]	May 1996[r]	Apr. 1996	June 1995	June 96/95	1996[p]	1995
All manufacturing industries	311,224	314,194	307,001	-0.9	+2.3	+0.6	329,699	315,187	305,815	311,501	+5.8	1,859,496	1,782,795
Manufacturing industries													
with unfilled orders	174,381	174,801	168,537	-0.2	+3.7	-2.1	185,080	171,458	165,574	172,638	+7.2	1,037,676	986,642
without defense capital goods	302,758	307,780	300,963	-1.6	+2.3	+1.5	321,312	310,331	300,762	306,583	+4.8	1,817,790	1,750,551
Durable goods industries	169,188	170,287	163,472	-0.6	+4.2	-1.2	180,692	170,332	162,903	166,527	+8.5	1,014,038	961,535
With unfilled orders	138,015	138,742	132,444	-0.5	+4.8	-3.4	147,492	136,094	129,658	135,256	+9.0	824,242	773,352
Stone, clay, and glass products	6,845	6,840	6,707	+0.1	+2.0	+1.0	7,284	7,090	6,910	6,624	+10.0	39,815	36,456
Primary metals	15,369	15,580	15,278	-1.4	+2.0	+6.7	15,441	15,486	15,361	14,964	+3.2	93,501	95,647
Blast furnaces, steel mills	6,321	6,465	6,134	-2.2	+5.4	+8.8	6,224	6,447	6,046	6,115	+1.8	38,449	40,103
Iron and steel foundries	1,500	1,405	1,417	+6.8	-0.8	+11.3	1,598	1,425	1,476	1,260	+26.8	9,014	8,024
Nonferrous and other primary metals	7,548	7,710	7,727	-2.1	-0.2	+4.4	7,619	7,614	7,839	7,589	+0.4	46,038	47,520
Fabricated metal products	17,760	18,026	17,433	-1.5	+3.4	+5.2	18,920	18,521	17,431	17,349	+9.1	104,922	100,809
Industrial machinery and equipment	31,464	31,601	31,225	-0.4	+1.2	+1.6	35,455	31,143	29,757	34,076	+4.0	191,655	180,721
Engines and turbines	1,508	1,745	1,641	-13.6	+6.3	+12.6	1,999	1,627	1,241	2,550	-21.6	9,358	10,190
Construction, mining and material handling equipment	3,686	3,631	3,598	+1.5	+0.9	+4.7	3,808	3,622	3,558	3,481	+9.4	22,577	20,981
Metalworking machinery	3,127	3,363	3,059	-7.0	+9.9	-2.5	3,403	3,303	2,848	3,275	+3.9	18,758	18,721
Computer and office equipment	8,471	8,352	8,455	+1.4	-1.2	-0.7	10,817	7,758	6,886	10,413	+3.9	50,050	44,987
Electronic and other electrical equipment	26,311	25,791	26,130	+2.0	-1.3	-1.7	27,570	24,589	26,202	25,793	+6.9	154,998	147,557
Electrical transmission and distribution equipment and industrial apparatus	3,194	3,081	2,999	+3.7	+2.7	-2.2	3,481	3,018	2,984	3,341	+4.2	18,643	18,785
Electric lighting and wiring equipment	2,026	2,012	2,023	+0.7	-0.5	0.0	2,127	1,995	1,938	1,927	+10.4	12,227	11,934
Communications equipment	5,791	5,316	5,673	+8.9	-6.3	-12.0	6,786	4,827	5,232	6,058	+12.0	34,058	30,428
Electronic components	9,955	9,871	10,004	+0.9	-1.3	+1.9	9,665	9,391	11,130	9,324	+3.7	59,359	58,352
Transportation equipment	41,577	42,299	36,917	-1.7	+14.6	-11.9	44,276	43,218	38,294	37,507	+18.0	253,159	229,868
Aircraft, missiles, space vehicles, and parts	10,081	12,260	7,579	-17.8	+61.8	-52.0	10,788	10,732	6,878	7,050	+53.0	67,618	46,558
Shipbuilding and tanks	2,137	450	442	+374.9	+1.8	-7.7	2,285	452	442	814	+180.7	6,029	4,155
Instruments and related products	12,135	12,516	12,573	-3.0	-0.5	+4.4	13,141	12,339	11,537	13,018	+0.9	73,698	69,758
Search and navigation equipment	2,173	2,502	2,656	-13.1	-5.8	+13.6	2,252	2,310	2,144	2,562	-12.1	14,344	13,520
Measuring and controlling devices	3,740	3,670	3,661	+1.9	+0.2	+1.3	3,989	3,674	3,486	3,993	-0.1	22,500	22,090
Medical instruments and supplies	3,929	4,096	3,953	-4.1	+3.6	+5.4	4,267	4,049	3,727	4,017	+6.2	23,377	21,293
All other durable goods	17,727	17,634	17,209	+0.5	+2.5	+2.7	18,605	17,946	17,411	17,196	+8.2	102,290	100,719
Nondurable goods industries	142,036	143,907	143,529	-1.3	+0.3	+2.8	149,007	144,855	142,912	144,974	+2.8	845,458	821,260
With unfilled orders	36,366	36,059	36,093	+0.9	-0.1	+3.2	37,588	35,364	35,916	37,382	+0.6	213,434	213,290

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr.-May	Mar.-Apr	June 1996[p]	May 1996[r]	Apr. 1996	June 1995	June 96/95
All manufacturing industries	498,962	495,913	492,922	+0.6	+0.6	-0.2	499,709	500,280	499,435	471,983	+5.9
Manufacturing industries without defense capital goods	389,748	388,914	386,338	+0.2	+0.7	-0.3	390,283	392,484	390,625	367,939	+6.1
Durable goods industries	475,059	472,305	469,505	+0.6	+0.6	-0.2	474,883	475,947	475,361	444,408	+6.9
Stone, clay, and glass products	6,844	6,880	7,033	-0.5	-2.2	-0.6	6,715	6,990	7,093	6,732	-0.3
Primary metals	30,552	29,766	29,245	+2.6	+1.8	+0.7	30,882	30,783	30,866	29,048	+6.3
Blast furnaces, steel mills	12,503	12,352	12,027	+1.2	+2.7	-0.3	12,641	12,821	12,693	11,646	+8.5
Iron and steel foundries	4,123	4,013	4,019	+2.7	-0.1	+0.7	4,148	4,065	4,160	3,746	+10.7
Nonferrous and other primary metals	13,926	13,401	13,199	+3.9	+1.5	+1.7	14,093	13,897	14,013	13,656	+3.2
Fabricated metal products	22,257	22,120	21,725	+0.6	+1.8	+0.1	22,397	22,205	21,792	22,060	+1.5
Industrial machinery and equipment	71,778	72,045	71,781	-0.4	+0.4	+0.1	71,353	72,233	71,999	70,720	+0.9
Engines and turbines	10,774	11,017	10,908	-2.2	+1.0	-0.1	10,455	10,541	10,480	10,587	-1.2
Construction, mining and material handling equipment	9,306	9,225	9,156	+0.9	+0.8	+0.5	9,306	9,420	9,458	8,092	+15.0
Metalworking machinery	8,929	8,974	8,798	-0.5	+2.0	-1.0	8,929	8,974	8,798	9,824	-9.1
Computer and office equipment	9,644	9,584	9,648	+0.6	-0.7	+0.5	9,895	9,886	9,531	11,142	-11.2
Electronic and other electrical equipment	47,885	48,508	49,411	-1.3	-1.8	-0.9	47,605	49,293	50,645	48,227	-1.3
Electrical transmission and distribution equipment and industrial apparatus	6,041	6,034	6,029	+0.1	+0.1	-2.0	6,013	6,095	6,110	6,373	-5.6
Electric lighting and wiring equipment	4,150	4,145	4,149	+0.1	-0.1	+0.9	4,150	4,145	4,149	3,892	+6.6
Communications equipment	14,947	15,343	15,842	-2.6	-3.1	+0.5	14,979	15,318	15,887	13,968	+7.2
Electronic components	18,638	18,848	19,270	-1.1	-2.2	-2.2	18,433	19,624	20,455	19,641	-6.2
Transportation equipment	240,349	237,132	234,504	+1.4	+1.1	-0.5	240,565	238,025	236,795	211,728	+13.6
Aircraft, missiles, space vehicles, and parts	209,938	208,125	205,073	+0.9	+1.5	-0.3	210,280	208,996	207,081	179,410	+17.2
Shipbuilding and tanks	17,841	16,638	16,972	+7.2	-2.0	-2.4	17,964	16,705	17,034	18,794	-4.4
Instruments and related products	47,893	48,274	48,324	-0.8	-0.1	+0.5	47,611	48,179	48,427	47,846	-0.5
Search and navigation equipment	29,309	29,607	29,640	-1.0	-0.1	+0.4	29,147	29,558	29,813	30,147	-3.3
Measuring and controlling devices	9,970	10,055	10,225	-0.8	-1.7	+0.3	9,970	10,055	10,225	9,756	+2.2
Medical instruments and supplies	7,643	7,683	7,523	-0.5	+2.1	+0.8	7,513	7,620	7,419	7,207	+4.2
All other durable goods	7,501	7,580	7,482	-1.0	+1.3	-0.1	7,755	8,239	7,744	8,047	-3.6
Nondurable goods industries	23,903	23,608	23,417	+1.2	+0.8	+0.6	24,826	24,333	24,074	27,575	-10.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 96/95
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr.-May	Mar-Apr	June 1996[p]	May 1996[r]	Apr 1996	June 1995	
All manufacturing industries	434,128	434,220	435,441	0.0	-0.3	0.0	432,003	437,820	437,183	422,801	+2.2
Manufacturing industries											
with unfilled orders	291,258	291,756	292,510	-0.2	-0.3	0.0	290,887	295,429	293,901	283,539	+2.6
without defense capital goods	414,780	415,005	416,193	-0.1	-0.3	+0.1	412,429	418,439	417,920	402,131	+2.6
Durable goods industries	274,101	273,857	273,870	+0.1	0.0	+0.1	272,609	276,629	274,868	263,281	+3.5
With unfilled orders	251,527	251,512	251,689	0.0	-0.1	+0.2	250,816	254,567	252,620	242,332	+3.5
Stone, clay, and glass products	8,292	8,285	8,364	+0.1	-0.9	-0.8	8,366	8,501	8,573	8,636	-3.1
Primary metals	23,774	23,687	23,697	+0.4	0.0	-0.7	23,604	23,676	23,710	23,534	+0.3
Blast furnaces, steel mills	11,586	11,558	11,647	+0.2	-0.8	-1.5	11,389	11,420	11,471	11,245	+1.3
Iron and steel foundries	1,436	1,427	1,436	+0.6	-0.6	-0.1	1,463	1,470	1,482	1,404	+4.2
Nonferrous and other primary metals	10,752	10,702	10,614	+0.5	+0.8	0.0	10,752	10,786	10,757	10,885	-1.2
Fabricated metal products	25,692	25,897	26,043	-0.8	-0.6	-0.5	26,015	26,248	26,372	27,343	-4.9
Industrial machinery and equipment	58,863	59,510	59,698	-1.1	-0.3	+0.8	58,051	60,396	59,854	55,576	+4.5
Engines and turbines	3,768	3,797	3,778	-0.8	+0.5	+0.1	3,728	3,856	3,730	4,043	-7.8
Farm and garden machinery	2,955	2,929	2,954	+0.9	-0.8	+2.3	2,754	2,791	2,931	2,657	+3.7
Construction, mining and material handling equipment	7,125	7,145	7,132	-0.3	+0.2	+0.7	7,168	7,279	7,245	7,079	+1.3
Metalworking machinery	7,085	7,142	7,039	-0.8	+1.5	-0.4	7,064	7,200	7,022	6,512	+8.5
Computer and office equipment	13,174	13,568	13,886	-2.9	-2.3	+1.6	12,647	13,982	13,814	11,807	+7.1
Electronic and other electrical equipment	41,196	40,954	40,993	+0.6	-0.1	+0.9	41,143	41,550	41,350	38,307	+7.4
Electrical transmission and distribution equipment and industrial apparatus	4,689	4,747	4,762	-1.2	-0.3	0.0	4,658	4,783	4,772	5,206	-10.5
Household appliances	2,614	2,568	2,599	+1.8	-1.2	-1.0	2,695	2,789	2,803	2,907	-7.3
Electric lighting and wiring equipment	3,300	3,327	3,367	-0.8	-1.2	0.0	3,356	3,398	3,398	3,492	-3.9
Household audio and video equipment	1,578	1,607	1,637	-1.8	-1.8	+0.1	1,660	1,644	1,616	1,507	+10.2
Communications equipment	11,011	10,836	10,828	+1.6	+0.1	+2.7	10,917	11,184	11,079	9,548	+14.3
Electronic components	14,393	14,280	14,215	+0.8	+0.5	+0.9	14,177	14,117	14,043	12,196	+16.2
Transportation equipment	66,535	65,674	65,527	+1.3	+0.2	-0.1	65,691	66,056	65,329	62,065	+5.8
Motor vehicles and parts	15,662	15,666	15,797	0.0	-0.8	-0.7	15,177	15,532	15,727	15,114	+0.4
Aircraft, missiles, space vehicles, and parts	45,892	45,051	44,761	+1.9	+0.6	+0.1	45,633	45,528	44,563	42,315	+7.8
Shipbuilding and tanks	1,894	1,867	1,805	+1.4	+3.4	-1.8	1,880	1,944	1,848	1,634	+15.1
Instruments and related products	24,489	24,645	24,634	-0.6	0.0	+0.8	24,632	24,922	24,759	23,247	+6.0
Search and navigation equipment	6,453	6,525	6,537	-1.1	-0.2	+2.8	6,489	6,588	6,582	6,069	+6.9
Measuring and controlling devices	7,872	7,882	7,881	-0.1	0.0	0.0	7,911	7,954	7,931	7,351	+7.6
Medical instruments and supplies	7,256	7,221	7,210	+0.5	+0.2	+0.1	7,300	7,301	7,220	6,778	+7.7
Photographic goods	2,274	2,381	2,378	-4.5	+0.1	-0.2	2,288	2,434	2,391	2,415	-5.3
All other durable goods	25,260	25,205	24,914	+0.2	+1.2	-1.0	25,107	25,280	24,921	24,573	+2.2
Nondurable goods industries	160,027	160,363	161,571	-0.2	-0.7	-0.2	159,394	161,191	162,315	159,520	-0.1
With unfilled orders	39,731	40,244	40,821	-1.3	-1.4	-1.1	40,071	40,862	41,281	41,207	-2.8
Food and kindred products	33,332	33,248	33,454	+0.3	-0.6	+0.8	31,739	32,018	32,695	31,001	+2.4
Meat products	4,059	4,063	4,119	-0.1	-1.4	+1.3	4,079	4,126	4,201	3,608	+13.1
Dairy products	2,755	2,650	2,637	+4.0	+0.5	+4.1	2,838	2,720	2,714	2,704	+5.0
Beverages	6,209	6,194	6,203	+0.2	-0.1	-1.2	6,159	6,191	6,238	6,071	+1.4
All other foods, except fats and oils	18,136	18,222	18,377	-0.5	-0.8	+0.6	16,594	16,867	17,360	17,152	-3.3
Tobacco products	5,653	5,606	5,592	+0.8	+0.3	-1.0	5,291	5,367	5,531	5,111	+3.5
Textile mill products	10,017	10,055	10,116	-0.4	-0.6	-0.3	10,109	10,411	10,390	10,319	-2.0
Broadwoven fabrics and other textiles	5,985	6,014	6,042	-0.5	-0.5	-0.3	5,997	6,178	6,187	6,136	-2.3
Paper and allied products	16,752	16,933	17,221	-1.1	-1.7	-1.8	16,767	17,181	17,499	16,543	+1.4
Pulp, paper, and paperboard mill products	6,975	7,010	7,150	-0.5	-2.0	-3.0	6,898	7,092	7,267	6,089	+13.3
Paperboard containers and boxes	4,052	4,213	4,332	-3.8	-2.7	-1.6	4,064	4,220	4,363	4,585	-11.4
Miscellaneous converted paper products	5,725	5,710	5,739	+0.3	-0.5	-0.2	5,805	5,869	5,869	5,869	-1.1
Chemicals and allied products	39,119	38,995	39,158	+0.3	-0.4	+0.3	39,048	39,446	39,561	38,535	+1.3
Industrial chemicals	18,773	18,673	18,903	+0.5	-1.2	+0.5	18,642	18,695	18,927	18,590	+0.3
Drugs, soaps, and toiletries	15,285	15,343	15,343	-0.4	0.0	0.0	15,530	15,751	15,424	15,182	+2.3
Petroleum and coal products	12,270	12,345	12,432	-0.6	-0.7	0.0	12,563	12,697	12,527	12,125	+3.6
Rubber and plastics products	15,227	15,147	15,170	+0.5	-0.2	-0.6	15,202	15,298	15,466	15,422	-1.4
All other nondurable goods	27,657	28,034	28,428	-1.3	-1.4	-0.7	28,675	28,773	28,646	30,464	-5.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr.-May	Mar.-Apr	June 1996[p]	May 1996[r]	Apr. 1996	June 1995	June 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	308,175	311,203	308,003	-1.0	+1.0	+2.4	330,270	314,342	305,245	318,461	+3.7	1,834,262	1,775,119
Market categories :													
Automotive equipment	13,785	14,100	13,858	-2.2	+1.7	+11.5	14,699	15,379	14,886	13,842	+6.2	85,381	83,605
Home goods and apparel	18,647	18,679	18,519	-0.2	+0.9	+1.0	19,541	17,665	17,306	18,519	+5.5	106,003	102,183
Consumer staples	64,398	65,608	65,518	-1.8	+0.1	+2.3	66,862	65,367	63,675	63,047	+6.1	380,325	355,109
Machinery and equipment	55,241	55,666	54,205	-0.8	+2.7	+1.0	62,447	55,542	52,570	59,184	+5.5	327,894	309,842
Business supplies	24,520	24,639	24,807	-0.5	-0.7	+3.6	25,558	24,792	25,405	24,189	+5.7	145,164	136,343
Construction materials and supplies	19,214	19,202	18,829	+0.1	+2.0	+3.0	20,795	19,730	18,834	19,852	+4.8	111,406	111,148
Defense products	6,586	6,341	6,228	+3.9	+1.8	-3.9	7,073	6,217	5,875	6,899	+2.5	37,527	38,527
Other materials, supplies and and intermediate products	105,784	106,968	106,039	-1.1	+0.9	+2.5	113,295	109,650	106,694	112,929	+0.3	640,562	638,362
Durable goods industries :													
Nondefense capital goods [3]	42,714	42,799	41,648	-0.2	+2.8	-1.2	49,516	41,173	38,743	47,470	+4.3	250,573	236,596
Excluding aircraft and parts	37,783	36,784	36,684	+2.7	+0.3	-1.5	43,589	35,436	33,956	40,965	+6.4	220,813	204,607
Defense capital goods [4]	6,251	5,999	5,900	+4.2	+1.7	-4.6	6,757	5,870	5,482	6,526	+3.5	35,391	36,076
Durables excluding capital goods	117,469	118,689	117,067	-1.0	+1.4	+4.5	125,483	122,703	118,685	119,346	+5.1	704,906	684,186
Miscellaneous series :													
Producers' durable equipment	107,095	107,909	105,474	-0.8	+2.3	+3.4	118,425	109,636	104,426	111,869	+5.9	639,783	612,020
Household durable goods	9,322	9,242	9,116	+0.9	+1.4	+0.6	9,678	8,846	8,677	8,505	+13.8	52,454	47,642
Information technology industries	20,790	20,502	20,131	+1.4	+1.8	-3.4	24,684	19,158	17,484	23,101	+6.9	120,439	108,955
Health care equipment and products	10,184	10,236	10,086	-0.5	+1.5	+1.1	10,836	9,723	9,538	9,948	+8.9	59,500	55,186
NEW ORDERS													
All manufacturing industries	311,224	314,194	307,001	-0.9	+2.3	+0.6	329,699	315,187	305,815	311,501	+5.8	1,859,496	1,782,795
Market categories :													
Automotive equipment	13,763	14,077	13,848	-2.2	+1.7	+11.7	14,631	15,316	14,863	13,786	+6.1	85,286	83,520
Home goods and apparel	18,614	18,703	18,521	-0.5	+1.0	+0.4	19,451	17,769	17,749	18,409	+5.7	108,377	105,377
Consumer staples	64,421	65,677	65,572	-1.9	+0.2	+2.5	66,970	65,447	63,728	63,173	+6.0	380,443	355,271
Machinery and equipment	55,513	57,833	53,250	-4.0	+8.6	-7.9	62,027	57,747	51,917	57,622	+7.6	343,286	311,832
Business supplies	24,622	24,718	24,987	-0.4	-1.1	+5.0	25,549	24,991	25,666	24,030	+6.3	145,501	136,824
Construction materials and supplies	19,277	19,179	18,793	+0.5	+2.1	+3.0	20,768	19,719	18,817	19,484	+6.6	111,969	111,494
Defense products	8,717	6,816	6,438	+27.9	+5.9	-27.3	8,649	5,316	5,433	5,293	+63.4	43,648	34,849
Other materials, supplies and and intermediate products	106,297	107,191	105,592	-0.8	+1.5	+4.0	111,654	108,882	107,642	109,704	+1.8	640,986	643,628
Durable goods industries :													
Nondefense capital goods [3]	42,621	44,979	40,487	-5.2	+11.1	-13.1	48,864	43,271	37,692	46,014	+6.2	265,262	239,153
Excluding aircraft and parts	37,143	36,454	36,562	+1.9	-0.3	-1.6	42,390	35,024	33,944	41,362	+2.5	222,490	210,911
Defense capital goods [4]	8,466	6,414	6,038	+32.0	+6.2	-29.2	8,387	4,856	5,053	4,918	+70.5	41,706	32,244
Durables excluding capital goods	118,101	118,894	116,947	-0.7	+1.7	+5.9	123,441	122,205	120,158	115,595	+6.8	707,070	690,138
Miscellaneous series :													
Producers' durable equipment	107,179	109,868	104,408	-2.4	+5.2	-0.9	117,276	111,780	103,714	109,775	+6.8	654,405	615,706
Household durable goods	9,272	9,252	9,142	+0.2	+1.2	+0.2	9,452	8,938	8,938	8,490	+11.3	53,512	48,544
Information technology industries	20,088	19,570	20,436	+2.6	-4.2	-1.6	23,919	18,665	18,072	23,127	+3.4	120,563	111,353
Health care equipment and products	10,144	10,397	10,144	-2.4	+2.5	+3.2	10,729	9,925	9,574	9,944	+7.9	59,514	54,452

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 96/95
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr - May	Mar - Apr.	June 1996[p]	May 1996[r]	Apr. 1996	June 1995	
UNFILLED ORDERS											
All manufacturing industries	498,962	495,913	492,922	+0.6	+0.6	-0.2	499,709	500,280	499,435	471,983	+5.9
Market categories :											
Automotive equipment	1,878	1,900	1,924	-1.2	-1.2	-0.6	1,822	1,891	1,954	2,080	-12.4
Home goods and apparel	9,371	9,404	9,380	-0.4	+0.3	0.0	9,984	10,074	9,970	10,382	-3.8
Consumer staples	1,940	1,917	1,848	+1.2	+3.7	+3.0	1,943	1,835	1,755	1,839	+5.7
Machinery and equipment	224,275	224,003	221,836	+0.1	+1.0	-0.4	224,252	224,672	222,467	198,075	+13.2
Business supplies	6,492	6,390	6,311	+1.6	+1.3	+2.9	6,573	6,582	6,383	6,572	0.0
Construction materials and supplies	15,748	15,685	15,708	+0.4	-0.1	-0.2	15,840	15,867	15,878	15,757	+0.5
Defense products	104,323	102,192	101,717	+2.1	+0.5	+0.2	104,492	102,916	103,817	98,461	+6.1
Other materials, supplies and and intermediate products	134,935	134,422	134,198	+0.4	+0.2	-0.3	134,803	136,443	137,211	138,817	-2.9
Durable goods industries :											
Nondefense capital goods [3]	242,096	242,189	240,009	0.0	+0.9	-0.5	241,863	242,515	240,417	217,225	+11.3
Excluding aircraft and parts	97,234	97,874	98,204	-0.7	-0.3	-0.1	97,001	98,200	98,612	95,964	+1.1
Defense capital goods [4]	109,214	106,999	106,584	+2.1	+0.4	+0.1	109,426	107,796	108,810	104,044	+5.2
Durables excluding capital goods	123,749	123,117	122,912	+0.5	+0.2	-0.1	123,594	125,636	126,134	123,139	+0.4
Miscellaneous series :											
Producers' durable equipment	257,254	257,170	255,211	0.0	+0.8	-0.4	256,966	258,115	255,971	231,593	+11.0
Household durable goods	5,932	5,982	5,972	-0.8	+0.2	+0.4	6,032	6,258	6,166	5,963	+1.2
Information technology industries	38,117	38,819	39,751	-1.8	-2.3	+0.8	38,367	39,132	39,625	39,017	-1.7
Health care equipment and products	7,671	7,711	7,550	-0.5	+2.1	+0.8	7,541	7,648	7,446	7,238	+4.2
TOTAL INVENTORIES											
All manufacturing industries	434,128	434,220	435,441	0.0	-0.3	0.0	432,003	437,820	437,183	422,801	+2.2
Market categories :											
Automotive equipment	8,043	7,990	7,996	+0.7	-0.1	+0.6	7,790	7,975	8,056	7,350	+6.0
Home goods and apparel	31,812	31,941	32,158	-0.4	-0.7	-0.3	32,924	33,189	32,678	33,520	-1.8
Consumer staples	64,318	64,457	64,783	-0.2	-0.5	+0.1	63,084	63,847	64,181	62,062	+1.6
Machinery and equipment	109,986	109,779	109,600	+0.2	+0.2	+1.0	108,745	111,576	110,012	99,930	+8.8
Business supplies	25,901	26,030	26,161	-0.5	-0.5	-0.1	26,009	26,342	26,483	26,651	-2.4
Construction materials and supplies	25,871	25,835	25,823	+0.1	0.0	-1.0	26,004	26,077	26,121	26,449	-1.7
Defense products	19,068	18,969	19,023	+0.5	-0.3	-1.1	19,265	19,106	19,022	20,248	-4.9
Other materials, supplies and and intermediate products	149,129	149,219	149,897	-0.1	-0.5	-0.4	148,182	149,708	150,630	146,591	+1.1
Durable goods industries :											
Nondefense capital goods [3]	103,893	103,809	103,730	+0.1	+0.1	+1.1	102,786	105,749	104,105	94,730	+8.5
Excluding aircraft and parts	71,057	71,642	71,989	-0.8	-0.5	+1.2	70,420	73,205	72,549	66,978	+5.1
Defense capital goods [4]	19,348	19,215	19,248	+0.7	-0.2	-1.2	19,574	19,381	19,263	20,670	-5.3
Durables excluding capital goods	150,860	150,833	150,892	0.0	0.0	-0.4	150,249	151,499	151,500	147,881	+1.6
Miscellaneous series :											
Producers' durable equipment	175,794	175,972	176,129	-0.1	-0.1	+0.5	174,558	178,385	176,948	166,819	+4.6
Household durable goods	15,152	15,184	15,209	-0.2	-0.2	+0.1	15,447	15,631	15,379	15,221	+1.5
Information technology industries	36,540	36,932	37,321	-1.1	-1.0	+1.8	35,947	37,819	37,584	33,001	+8.9
Health care equipment and products	15,565	15,559	15,547	0.0	+0.1	0.0	15,738	15,859	15,602	15,037	+4.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1996[p]	May 1996[r]	Apr. 1996	May-June	Apr.-May	Mar.-Apr.	June 1996[p]	May 1996[r]	Apr. 1996	June 1995	June 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	143,132	144,598	145,669	-1.0	-0.7	-0.1	141,935	144,054	145,003	142,190	-0.2
Durable goods industries	82,882	83,810	84,285	-1.1	-0.6	0.0	81,700	83,224	83,332	80,269	+1.8
Stone, clay, and glass products	2,758	2,777	2,775	-0.7	+0.1	-0.4	2,758	2,777	2,739	2,808	-1.8
Primary metals	7,507	7,638	7,578	-1.7	+0.8	+0.3	7,399	7,469	7,328	7,470	-1.0
Fabricated metal products	9,482	9,670	9,763	-1.9	-1.0	+0.5	9,504	9,633	9,670	9,914	-4.1
Industrial machinery and equipment	17,787	18,080	18,089	-1.6	0.0	0.0	17,447	18,215	17,920	16,592	+5.2
Electronic and other electrical equipment	14,793	14,931	15,102	-0.9	-1.1	+1.4	14,621	14,855	15,073	14,098	+3.7
Transportation equipment	12,427	12,544	12,722	-0.9	-1.4	-0.9	12,261	12,571	12,750	12,376	-0.9
Instruments and related products	7,674	7,684	7,735	-0.1	-0.7	+1.2	7,685	7,727	7,766	7,142	+7.6
Lumber, furniture and miscellaneous durable goods	10,454	10,486	10,521	-0.3	-0.3	-2.1	10,025	9,977	10,086	9,869	+1.6
Nondurable goods industries	60,250	60,788	61,384	-0.9	-1.0	-0.2	60,235	60,830	61,671	61,921	-2.7
Food and kindred products	11,552	11,780	11,819	-1.9	-0.3	+1.2	11,314	11,559	11,796	11,002	+2.8
Tobacco products	4,648	4,623	4,618	+0.5	+0.1	-1.6	4,456	4,552	4,679	4,363	+2.1
Textile mill products	2,928	2,943	2,954	-0.5	-0.4	0.0	2,963	3,035	2,994	3,077	-3.7
Paper and allied products	7,890	8,077	8,315	-2.3	-2.9	0.0	7,840	8,070	8,320	8,574	-8.6
Chemicals and allied products	13,002	12,979	12,961	+0.2	+0.1	+0.4	13,098	13,073	12,992	13,081	+0.1
Petroleum and coal products	4,154	4,074	4,239	+2.0	-3.9	-0.7	4,297	4,178	4,369	4,163	+3.2
Rubber and plastics products	5,822	5,800	5,775	+0.4	+0.4	+0.2	5,798	5,803	5,825	6,242	-7.1
Apparel, printing and publishing and leather goods	10,254	10,512	10,703	-2.5	-1.8	-2.2	10,469	10,560	10,696	11,419	-8.3
WORK IN PROCESS											
All manufacturing industries	144,141	143,540	143,297	+0.4	+0.2	+0.5	142,895	144,221	143,188	136,545	+4.7
Durable goods industries	118,205	117,640	117,388	+0.5	+0.2	+0.5	117,387	118,587	117,399	111,484	+5.3
Stone, clay, and glass products	1,232	1,228	1,230	+0.3	-0.2	-1.8	1,273	1,281	1,296	1,295	-1.7
Primary metals	9,137	9,079	9,059	+0.6	+0.2	+0.3	9,070	9,078	9,096	8,689	+4.4
Fabricated metal products	7,331	7,385	7,485	-0.7	-1.3	+0.3	7,290	7,408	7,496	7,889	-7.6
Industrial machinery and equipment	23,987	24,177	24,197	-0.8	-0.1	+0.7	23,671	24,455	24,093	22,943	+3.2
Electronic and other electrical equipment	15,418	15,082	14,979	+2.2	+0.7	+0.8	15,347	15,275	15,114	13,565	+13.1
Transportation equipment	45,626	45,081	44,938	+1.2	+0.3	+0.4	45,154	45,314	44,632	42,140	+7.2
Instruments and related products	10,893	11,015	10,948	-1.1	+0.6	+0.8	10,975	11,121	11,048	10,192	+7.7
Lumber, furniture and miscellaneous durable goods	4,581	4,593	4,552	-0.3	+0.9	-0.5	4,607	4,655	4,624	4,771	-3.4
Nondurable goods industries	25,936	25,900	25,909	+0.1	0.0	+0.3	25,508	25,634	25,789	25,061	+1.8
Food and kindred products	4,525	4,458	4,462	+1.5	-0.1	+0.4	4,215	4,057	4,257	3,994	+5.5
Tobacco products	276	276	258	0.0	+7.0	-0.4	195	205	203	192	+1.6
Textile mill products	2,791	2,790	2,812	0.0	-0.8	-0.2	2,763	2,816	2,844	2,760	+0.1
Paper and allied products	1,790	1,771	1,755	+1.1	+0.9	-1.0	1,830	1,792	1,781	1,607	+13.9
Chemicals and allied products	6,839	6,728	6,764	+1.6	-0.5	+0.4	6,800	6,790	6,740	6,399	+6.3
Petroleum and coal products	2,392	2,510	2,506	-4.7	+0.2	-1.2	2,431	2,582	2,520	2,475	-1.8
Rubber and plastics products	2,023	2,015	2,026	+0.4	-0.5	-2.5	1,964	2,006	2,017	2,005	-2.0
Apparel, printing and publishing and leather goods	5,300	5,352	5,326	-1.0	+0.5	+2.8	5,310	5,386	5,427	5,629	-5.7
FINISHED GOODS											
All manufacturing industries	146,855	146,082	146,475	+0.5	-0.3	-0.3	147,173	149,545	148,992	144,066	+2.2
Durable goods industries	73,014	72,407	72,197	+0.8	+0.3	-0.3	73,522	74,818	74,137	71,528	+2.8
Stone, clay, and glass products	4,302	4,280	4,359	+0.5	-1.8	-0.8	4,335	4,443	4,538	4,533	-4.4
Primary metals	7,130	6,970	7,060	+2.3	-1.3	-3.1	7,135	7,129	7,286	7,375	-3.3
Fabricated metal products	8,879	8,842	8,795	+0.4	+0.5	-2.3	9,221	9,207	9,206	9,540	-3.3
Industrial machinery and equipment	17,089	17,253	17,412	-1.0	-0.9	+1.7	16,933	17,726	17,841	16,041	+5.6
Electronic and other electrical equipment	10,985	10,941	10,912	+0.4	+0.3	+0.4	11,175	11,420	11,163	10,644	+5.0
Transportation equipment	8,482	8,049	7,867	+5.4	+2.3	-1.2	8,276	8,171	7,947	7,549	+9.6
Instruments and related products	5,922	5,946	5,951	-0.4	-0.1	0.0	5,972	6,074	5,945	5,913	+1.0
Lumber, furniture and miscellaneous durable goods	10,225	10,126	9,841	+1.0	+2.9	0.0	10,475	10,648	10,211	9,933	+5.5
Nondurable goods industries	73,841	73,675	74,278	+0.2	-0.8	-0.3	73,651	74,727	74,855	72,538	+1.5
Food and kindred products	17,255	17,010	17,173	+1.4	-0.9	+0.7	16,210	16,402	16,642	16,005	+1.3
Tobacco products	729	707	716	+3.1	-1.3	+2.9	640	610	649	556	+15.1
Textile mill products	4,298	4,322	4,350	-0.6	-0.6	-0.7	4,383	4,560	4,552	4,482	-2.2
Paper and allied products	7,072	7,085	7,151	-0.2	-0.9	-3.9	7,097	7,319	7,398	6,362	+11.6
Chemicals and allied products	19,278	19,288	19,433	-0.1	-0.7	+0.2	19,150	19,583	19,829	19,055	+0.5
Petroleum and coal products	5,724	5,761	5,687	-0.6	+1.3	+1.1	5,835	5,937	5,638	5,487	+6.3
Rubber and plastics products	7,382	7,332	7,369	+0.7	-0.5	-0.7	7,440	7,489	7,624	7,175	+3.7
Apparel, printing and publishing and leather goods	12,103	12,170	12,399	-0.6	-1.8	-1.0	12,896	12,827	12,523	13,416	-3.9

[p] Preliminary [r] Revised.

See note at end of table 2 relating to survey variability

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1996[p]	May 1996[r]	Apr. 1996	Mar. 1996	June 1996[p]	May 1996[r]	Apr. 1996	Mar. 1996
All manufacturing industries	1.41	1.40	1.41	1.45	2.91	2.89	2.91	2.95
Durable goods industries	1.65	1.64	1.66	1.71	3.51	3.47	3.51	3.57
Stone, clay, and glass products	1.21	1.18	1.24	1.27	1.05	1.04	1.10	1.13
Primary metals	1.63	1.57	1.57	1.62	2.10	1.98	1.94	1.97
Fabricated metal products	1.46	1.47	1.49	1.58	1.35	1.34	1.34	1.41
Industrial machinery and equipment	1.86	1.90	1.92	1.89	2.40	2.45	2.44	2.42
Electronic and other electrical equipment	1.53	1.53	1.54	1.52	1.78	1.82	1.86	1.87
Transportation equipment	1.73	1.66	1.72	1.87	12.51	11.86	12.57	13.09
Instruments and related products	1.96	1.96	2.00	1.97	3.83	3.84	3.92	3.88
Nondurable goods industries	1.13	1.12	1.13	1.15	0.66	0.66	0.65	0.65
Food and kindred products	0.88	0.86	0.87	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.05	2.10	2.06	2.10	(X)	(X)	(X)	(X)
Textile mill products	1.50	1.55	1.59	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.26	1.26	1.29	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.27	1.25	1.28	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.81	0.80	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.26	1.27	1.30	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1996	June[2] 1991-1995	June 1995-May 1996	June[1] 1996	June[2] 1991-1995	June 1995-May 1996	June[1] 1996	June[2] 1991-1995	June 1995-May 1996	June[1] 1996	June[2] 1991-1995	June 1995-May 1996
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.4	0.1	0.3	0.2	0.2	0.4	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.7	(X)	1.3	0.9	(X)	0.8	0.5	(X)	0.3	0.1
Primary metals	-0.1	0.4	0.5	-0.2	0.6	0.7	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.3	0.3	(X)	0.4	0.5	(X)	0.3	0.3	(X)	0.2	0.2
Industrial machinery and equipment	1.0	0.2	0.5	0.7	0.6	0.7	-0.3	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.5	0.2	0.3	0.4	1.4	0.6	0.0	0.6	0.3	(X)	0.2	0.1
Transportation equipment	0.2	0.5	0.7	-0.4	0.2	1.2	-0.1	0.1	0.2	(X)	0.2	0.3
Instruments and related products	(X)	0.8	0.3	(X)	1.8	0.9	(X)	0.2	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.5	0.3	(X)	0.2	0.1
Food and kindred products	(X)	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.7	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
Paper and allied products	(X)	0.8	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.7	0.3
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Capital goods industries :												
Nondefense	0.8	0.4	0.5	0.3	0.7	0.7	-0.1	0.0	0.1	(X)	0.0	0.3
Defense	2.4	0.2	0.7	0.4	1.4	5.1	-0.1	0.1	0.3	(X)	0.3	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

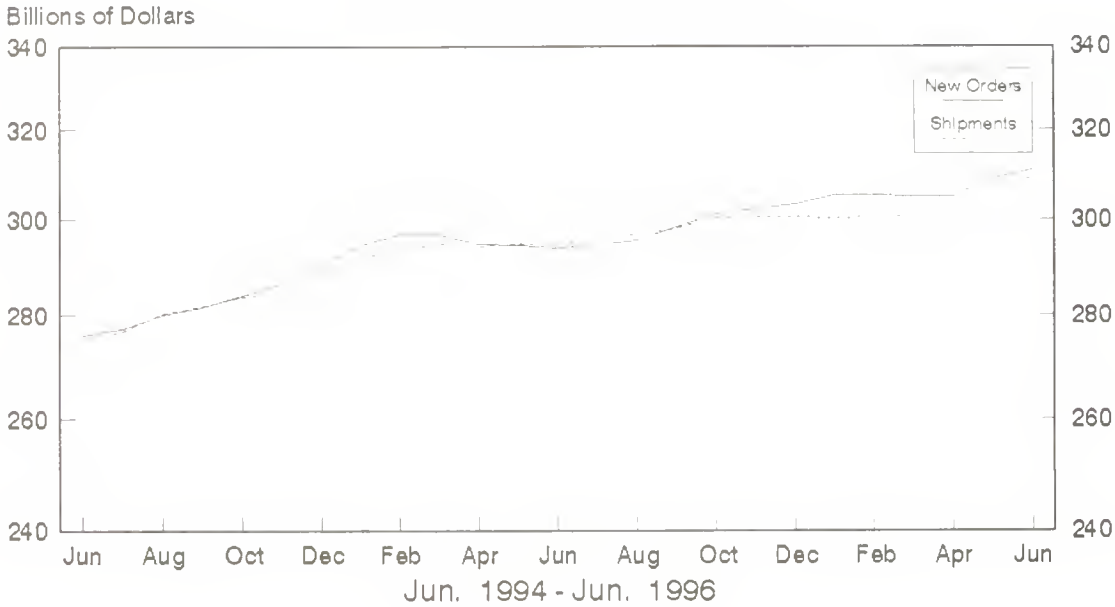
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

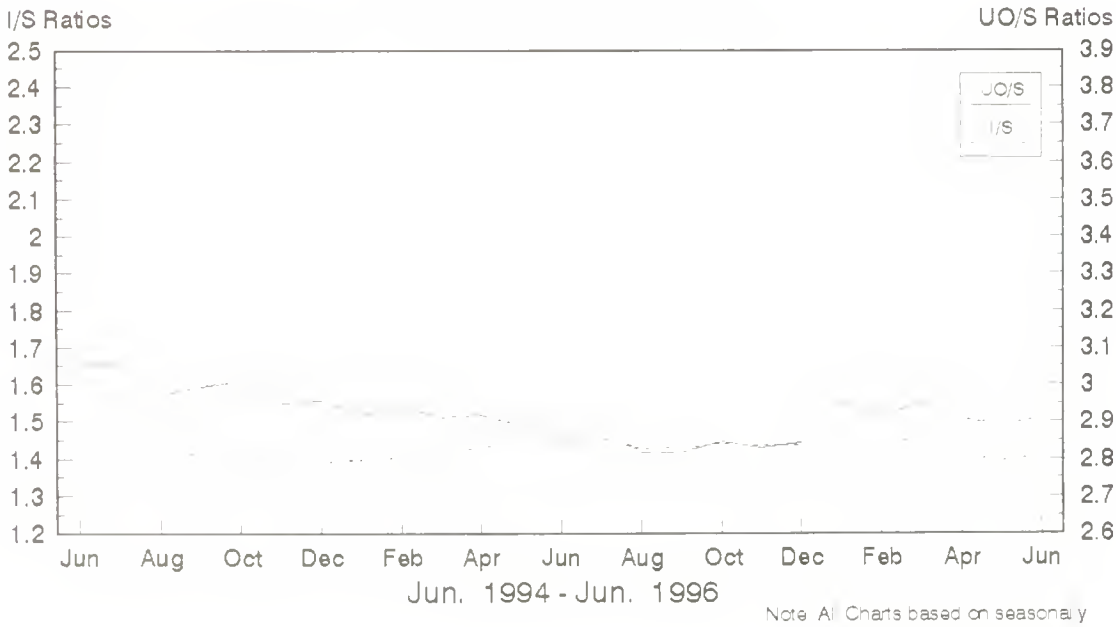
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

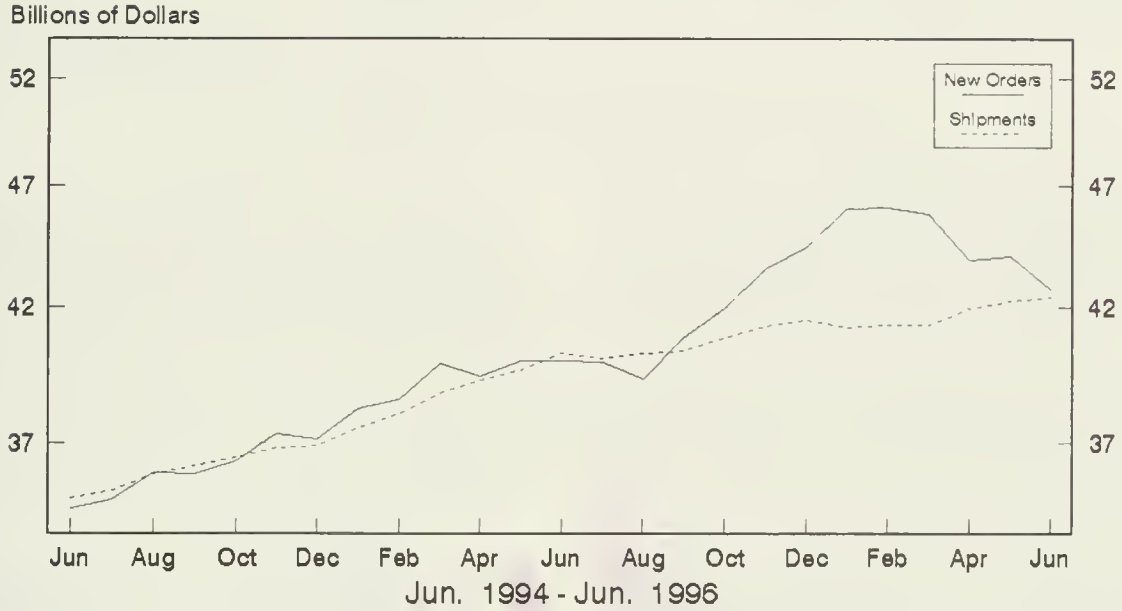
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars

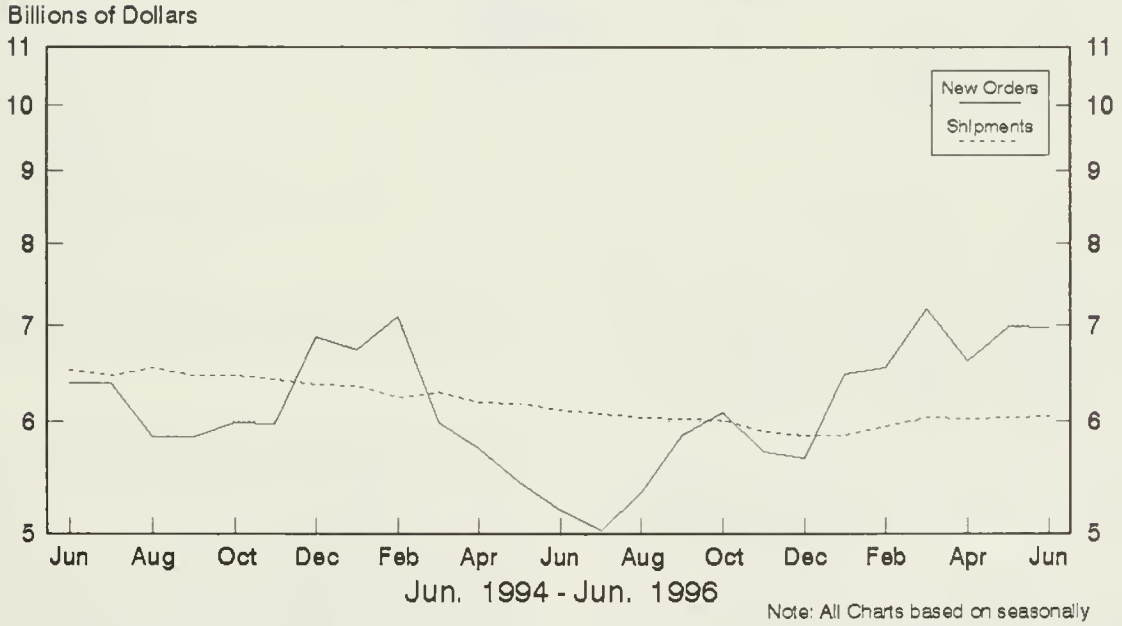
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
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July 1996
M3-1-(96)-7
For Wire Transmissions 10:00 a.m. E.D.T. August 30, 1996

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For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July increased $5.5 billion or 1.8 percent to $317.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.7 percent June decrease and is the fourth increase in the last five months. Excluding transportation, new orders increased 2.1 percent, the third increase in the last four months. Year to date, new orders are 4.9 percent above the same period a year ago.

Shipments, up three of the last four months, increased $3.8 billion or 1.2 percent to $312.7 billion, following a 0.8 percent June decrease. Year to date, shipments are 3.8 percent above the same period a year ago.

Unfilled orders, up ten of the last eleven months, increased $5.0 billion or 1.0 percent to $504.2 billion, following a 0.7 percent June increase. The unfilled orders-to-shipments ratio was 2.93, up from 2.91 in June.

Inventories increased $0.7 billion or 0.2 percent to $434.5 billion, following a 0.1 percent June decrease. The inventories-to-shipments ratio was 1.39, down from 1.40 in June. The July ratio is the lowest since the 1.39 recorded in January 1995.

New Orders

New orders for manufactured durable goods in July increased $2.9 billion or 1.7 percent to $172.9 billion, revised from the previously published 1.6 percent increase. This follows a 0.2 percent June decrease and is the second increase in the last three months.

Electronic and other electrical equipment, up for the second consecutive month, had the largest increase, $1.2 billion or 4.7 percent to $28.0 billion; widespread increases were led by communication equipment. Industrial machinery and equipment, up six of the last seven months, increased $0.9 billion or 2.9 percent to $32.6 billion. This follows a 0.3 percent June increase. Instruments and related products, up for the first month since April, increased $0.6 billion or 5.4 percent to $12.8 billion, following a 2.9 percent June decline. Primary metals, up three of the last four months, increased $0.2 billion or 1.0 percent to $15.7 billion, following a 0.2 percent June decrease. Transportation equipment, down three of the last four months, decreased $0.2 billion or 0.4 percent to $41.6 billion; a large decline in shipbuilding and tanks more than offset an increase in motor vehicles and parts. This follows a 1.3 percent June decrease.

New orders for nondurable goods, up four of the last five months, increased $2.6 billion or 1.8 percent to $144.7 billion, following a 1.2 percent June decrease. The largest increases were in food and kindred products, and chemicals and allied products; textile mill products had the largest decline.

Shipments

Shipments of durable goods in July increased $1.3 billion or 0.8 percent to $168.2 billion, revised from the previously published 0.7 percent increase. This follows a 0.3 percent June decrease and is the third increase in the last four months.

Transportation equipment, up three of the last four months, had the largest increase, $0.9 billion or 2.4 percent to $39.5 billion, due to motor vehicles and parts. This follows a 2.6 percent June decrease. Primary metals increased $0.4 billion or 3.1 percent to $15.1 billion. This follows a 2.8 percent June decline and is the first increase since April. Instruments and related products, up for the third consecutive month, increased $0.3 billion or 2.1 percent to $12.8 billion. This follows a 0.2 percent June increase. Stone, clay, and glass products, up four of the last five months, increased $0.2 billion or 3.0 percent to $7.1 billion, following a 1.3 percent June decline. Industrial machinery and equipment, down for the first month since April, decreased $0.4 billion or 1.2 percent to $31.6 billion, following a 2.0 percent June increase. Electronic and other electrical equipment, also down for the first month since April, decreased $0.2 billion or 0.7 percent to $26.8 billion. This follows a 1.0 percent June increase.

Shipments of nondurable goods, up six of the last seven months, increased $2.5 billion or 1.8 percent to $144.5 billion, following a 1.2 percent June decline. Food and kindred products, up four of the last five months, increased $1.1 billion or 2.9 percent to $39.0 billion, following a 1.6 percent June decline. Chemicals and allied products, up three of the last four months, increased $0.9 billion or 2.8 percent to $31.6 billion.

Unfilled Orders

Unfilled orders for durable goods in July increased $4.7 billion or 1.0 percent to $480.1 billion, unrevised from the previously published 1.0 percent increase. This follows a 0.7 percent June increase and is the tenth increase in the last eleven months.

Transportation equipment, up ten of the last eleven months, had the largest increase, $2.0 billion or 0.9 percent to $242.3 billion, due to aircraft and parts. This follows a 1.3 percent June increase. Electronic and other electrical equipment, up for the first month since January, increased $1.2 billion or 2.6 percent to $49.6 billion, following a 0.4 percent June decrease. Industrial machinery and equipment, up three of the last four months, increased $1.0 billion or 1.4 percent to $72.8 billion. This follows a 0.4 percent June decrease. Primary metals, up nine of the last ten months, increased $0.6 billion or 2.0 percent to $31.3 billion. This follows a 3.1 percent June increase. Fabricated metal products, up for the sixth consecutive month, increased $0.2 billion or 0.7 percent to $22.4 billion. This follows a 0.8 percent June increase. Stone, clay, and glass products decreased $0.2 billion or 3.5 percent to $6.5 billion. This follows a 1.4 percent June decrease and is the eighth consecutive monthly decline.

Inventories

Inventories of durable goods in July increased $1.0 billion or 0.4 percent to $274.6 billion, following a 0.1 percent June decline. Industrial machinery and equipment increased $0.5 billion or 0.9 percent to $59.3 billion, following declines of 1.2 percent in June and 0.3 percent in May. Instruments and related products, up thirteen of the last fourteen months, increased $0.4 billion or 1.4 percent to $24.9 billion, following a 0.5 percent June decline. Fabricated metal products, up for the first month since February, increased $0.3 billion or 1.3 percent to $26.0 billion, following a 0.9 percent June decline. Transportation equipment, up six of the last seven months, increased $0.2 billion or 0.3 percent to $66.6 billion. This follows a 1.1 percent June increase. Primary metals products, down three of the last four months, decreased $0.2 billion or 0.8 percent to $23.5 billion.

Inventories of nondurable goods, down for the fifth consecutive month, decreased $0.3 billion or 0.2 percent to $159.9 billion, following a 0.1 percent June decline. The largest decreases were in printing and publishing, and chemicals and allied products.

By stage of fabrication, July finished goods increased 0.3 percent in durables and decreased 0.5 percent in nondurables. Work in process increased slightly in durables and decreased 0.3 percent in nondurables. Materials and supplies increased 0.9 percent in durables and 0.2 percent in nondurables.

Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for August is scheduled for September 26, 1996 at 8:30 a.m. and the full report on October 3, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95	1996[p]	1995
All manufacturing industries	312,672	308,851	311,203	+1.2	-0.8	+1.0	280,147	330,391	314,342	262,199	+6.8	2,114,530	2,037,318
Manufacturing Industries													
with unfilled orders	171,925	171,635	171,810	+0.2	-0.1	+1.3	151,561	186,051	170,613	143,643	+5.5	1,164,403	1,122,609
without defense capital goods	306,858	302,646	305,204	+1.4	-0.8	+1.0	274,979	323,696	308,472	256,828	+7.1	2,074,033	1,995,871
Durable goods industries	168,180	166,902	167,487	+0.8	-0.3	+1.7	141,000	182,198	169,746	130,552	+8.0	1,132,312	1,087,410
With unfilled orders	135,805	135,586	135,942	+0.2	-0.3	+1.8	117,249	149,027	135,508	109,384	+7.2	918,794	878,059
Stone, clay, and glass products	7,108	6,902	6,993	+3.0	-1.3	+3.6	6,955	7,560	7,193	6,153	+13.0	46,818	42,526
Primary metals	15,090	14,643	15,059	+3.1	-2.8	0.0	13,515	15,354	15,569	13,580	-0.5	104,421	108,906
Blast furnaces, steel mills	6,288	6,194	6,140	+1.5	+0.9	-0.5	5,672	6,407	6,319	5,444	+4.2	43,161	44,560
Iron and steel foundries	1,522	1,403	1,411	+8.5	-0.6	+1.5	1,204	1,516	1,520	1,001	+20.3	9,641	8,962
Nonferrous and other primary metals	7,280	7,046	7,508	+3.3	-6.2	+0.1	6,639	7,431	7,730	7,135	-7.0	51,619	55,384
Fabricated metal products	17,488	17,462	17,631	+0.1	-1.0	+1.2	15,438	18,579	18,108	14,582	+5.9	119,135	114,413
Industrial machinery and equipment	31,575	31,952	31,337	-1.2	+2.0	+0.5	26,542	36,796	30,909	24,372	+8.9	217,869	199,986
Engines and turbines	1,771	1,769	1,636	+0.1	+8.1	-0.7	1,178	2,081	1,566	1,166	+1.0	11,512	11,893
Farm and garden machinery	1,917	1,854	1,871	+3.4	-0.9	+6.6	1,459	1,869	2,246	1,300	+12.2	14,180	13,416
Construction, mining and material handling equipment	3,590	3,569	3,562	+0.6	+0.2	+0.2	3,227	3,870	3,660	3,000	+7.6	25,129	23,074
Metalworking machinery	3,150	3,161	3,187	-0.3	-0.8	+1.3	2,586	3,464	3,127	2,516	+2.8	20,898	19,904
Computer and office equipment	8,501	8,654	8,416	-1.8	+2.8	+0.1	6,503	11,262	7,403	5,716	+13.8	56,888	49,589
Electronic and other electrical equipment	26,780	26,966	26,694	-0.7	+1.0	+0.4	23,451	29,410	25,941	21,721	+8.0	179,981	163,686
Electrical transmission and distribution equipment and industrial apparatus	3,166	3,169	3,076	-0.1	+3.0	-1.5	2,805	3,546	3,033	2,721	+3.1	21,479	21,264
Household appliances	2,044	2,057	2,084	-0.6	-1.3	+2.8	1,925	2,342	2,131	1,804	+6.7	14,199	13,277
Electric lighting and wiring equipment	2,035	2,022	2,016	+0.6	+0.3	+1.5	1,693	2,122	1,999	1,609	+5.2	13,700	13,376
Household audio and video equipment	1,313	1,308	1,287	+0.4	+1.6	-5.8	1,180	1,147	1,070	1,056	+11.7	7,665	6,931
Communications equipment	6,165	6,236	5,815	-1.1	+7.2	+3.9	5,191	7,193	5,396	4,334	+19.8	38,842	33,404
Electronic components	9,987	10,141	10,293	-1.5	-1.5	-1.4	8,968	10,918	10,222	8,832	+1.5	70,747	62,901
Transportation equipment	39,545	38,637	39,671	+2.4	-2.6	+4.2	27,265	41,704	41,988	24,574	+11.0	260,988	260,859
Motor vehicles and parts	28,748	27,277	27,603	+5.4	-1.2	+1.8	17,874	28,990	30,214	14,852	+20.3	185,464	181,747
Aircraft, missiles, space vehicles, and parts	8,185	8,264	9,208	-1.0	-10.3	+13.5	7,118	9,469	8,817	7,247	-1.8	55,475	58,527
Shipbuilding and tanks	845	935	784	-9.6	+19.3	-9.4	788	1,026	781	742	+6.2	5,840	5,894
Instruments and related products	12,848	12,587	12,566	+2.1	+0.2	+1.9	11,430	13,757	12,587	10,352	+10.4	85,714	82,184
Search and navigation equipment	2,598	2,498	2,535	+4.0	-1.5	0.0	2,287	2,685	2,565	2,081	+9.9	17,299	17,490
Measuring and controlling devices	3,796	3,816	3,840	-0.5	-0.6	+5.8	3,246	4,069	3,844	3,051	+6.4	25,875	24,633
Medical instruments and supplies	4,025	4,001	3,936	+0.6	+1.7	+1.1	3,707	4,409	3,848	3,344	+10.9	27,107	25,371
Photographic goods	2,026	1,908	1,883	+6.2	+1.3	-0.5	1,797	2,192	1,934	1,557	+15.4	12,857	12,343
All other durable goods	17,746	17,753	17,536	0.0	+1.2	+1.8	16,404	19,038	17,451	15,218	+7.8	117,386	114,850
Nondurable goods industries	144,492	141,949	143,716	+1.8	-1.2	+0.2	139,147	148,193	144,596	131,647	+5.7	982,218	949,908
With unfilled orders	36,120	36,049	35,868	+0.2	+0.5	-0.2	34,312	37,024	35,105	34,259	+0.2	245,609	244,550
Food and kindred products	39,043	37,955	38,583	+2.9	-1.6	+0.3	37,426	38,883	38,760	34,644	+8.0	262,796	248,359
Meat products	9,010	8,958	9,029	+0.6	-0.8	+2.1	8,848	9,148	9,232	8,398	+5.4	61,458	57,247
Dairy products	4,918	4,788	4,764	+2.7	+0.5	+3.1	4,820	4,972	4,850	4,308	+11.9	33,003	31,284
Beverages	5,735	5,571	5,643	+2.9	-1.3	-0.4	6,016	6,373	6,123	5,486	+9.7	39,368	36,560
All other foods, except fats and oils	17,428	16,754	17,280	+4.0	-3.0	-0.6	15,790	16,506	16,688	14,849	+6.3	115,570	110,877
Tobacco products	2,847	2,739	2,669	+3.9	+2.6	-1.8	2,844	2,777	2,757	2,591	+9.8	18,924	18,391
Textile mill products	6,497	6,708	6,487	-3.1	+3.4	+2.1	5,721	7,498	6,500	5,749	-0.5	44,025	45,490
Broadwoven fabrics and other textiles	3,922	4,070	3,945	-3.6	+3.2	+1.6	3,302	4,464	4,039	3,337	-1.0	26,999	28,117
Paper and allied products	13,453	13,326	13,474	+1.0	-1.1	-1.1	13,062	13,939	13,456	14,051	-7.0	94,571	99,712
Pulp, paper, and paperboard mill products	5,360	5,381	5,413	-0.4	-0.6	-0.9	5,317	5,646	5,431	6,430	-17.3	38,395	44,174
Paperboard containers and boxes	3,431	3,342	3,422	+2.7	-2.3	-1.5	3,297	3,466	3,473	3,519	-6.3	24,417	25,680
Miscellaneous converted paper products	4,662	4,603	4,639	+1.3	-0.8	-1.0	4,448	4,827	4,552	4,102	+8.4	31,759	29,858
Chemicals and allied products	31,606	30,737	31,266	+2.8	-1.7	+2.2	30,208	32,565	31,896	28,584	+5.7	215,872	210,275
Industrial chemicals	15,488	15,263	15,640	+1.5	-2.4	+2.9	15,023	16,163	15,940	15,106	-0.5	107,825	111,451
Drugs, soaps, and toiletries	11,790	11,358	11,580	+3.8	-1.9	+1.8	11,071	11,655	10,768	9,776	+13.2	77,204	70,544
Petroleum and coal products	14,654	14,574	15,246	+0.5	-4.4	-2.3	15,338	15,671	16,081	13,087	+17.2	101,835	89,294
Rubber and plastics products	12,100	11,884	11,993	+1.8	-0.9	+0.5	10,990	12,766	12,494	10,591	+3.8	83,126	84,159
All other nondurable goods	24,292	24,026	23,998	+1.1	+0.1	-0.3	23,558	24,094	22,652	22,350	+5.4	161,069	154,228

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey variability

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95	1996[p]	1995
All manufacturing industries	317,633	312,139	314,194	+1.8	-0.7	+2.3	286,614	329,757	315,187	263,097	+8.9	2,146,168	2,045,892
Manufacturing industries													
with unfilled orders	176,886	174,923	174,801	+1.1	+0.1	+3.7	158,028	185,417	171,458	144,541	+9.3	1,196,041	1,131,183
without defense capital goods	312,498	304,030	307,780	+2.8	-1.2	+2.3	283,332	321,439	310,331	259,499	+9.2	2,101,249	2,010,050
Durable goods industries	172,928	169,994	170,287	+1.7	-0.2	+4.2	146,998	181,252	170,332	131,084	+12.1	1,161,596	1,092,619
With unfilled orders	140,553	138,678	138,742	+1.4	0.0	+4.8	123,247	148,081	136,094	109,916	+12.1	948,078	883,268
Stone, clay, and glass products	6,872	6,803	6,840	+1.0	-0.5	+2.0	6,979	7,281	7,090	6,584	+6.0	46,791	43,040
Primary metals	15,712	15,552	15,580	+1.0	-0.2	+2.0	13,781	15,541	15,486	12,858	+7.2	107,382	108,505
Blast furnaces, steel mills	6,575	6,373	6,465	+3.2	-1.4	+5.4	5,801	6,211	6,447	5,236	+10.8	44,237	45,339
Iron and steel foundries	1,527	1,602	1,405	-4.7	+14.0	-0.8	1,180	1,709	1,425	933	+26.5	10,305	8,957
Nonferrous and other primary metals	7,610	7,577	7,710	+0.4	-1.7	-0.2	6,800	7,621	7,614	6,689	+1.7	52,840	54,209
Fabricated metal products	17,646	17,633	18,026	+0.1	-2.2	+3.4	15,847	18,766	18,521	14,713	+7.7	120,615	115,522
Industrial machinery and equipment	32,608	31,688	31,601	+2.9	+0.3	+1.2	27,589	35,801	31,143	23,799	+15.9	219,590	204,520
Engines and turbines	2,006	1,513	1,745	+32.6	-13.3	+6.3	1,521	1,990	1,627	1,247	+22.0	10,870	11,437
Construction, mining and material handling equipment	3,612	3,621	3,631	-0.2	-0.3	+0.9	3,022	3,740	3,622	2,893	+4.5	25,531	23,874
Metalworking machinery	3,405	3,091	3,363	+10.2	-8.1	+9.9	2,841	3,394	3,303	2,556	+11.2	21,590	21,277
Computer and office equipment	9,108	8,772	8,352	+3.8	+5.0	-1.2	7,276	11,190	7,758	5,385	+35.1	57,699	50,372
Electronic and other electrical equipment	28,019	26,770	25,791	+4.7	+3.8	-1.3	26,297	27,791	24,589	24,888	+5.7	181,516	172,445
Electrical transmission and distribution equipment and industrial apparatus	3,477	3,217	3,081	+8.1	+4.4	+2.7	3,224	3,462	3,018	2,786	+15.7	21,848	21,571
Electric lighting and wiring equipment	2,200	2,027	2,012	+8.5	+0.7	-0.5	1,858	2,127	1,995	1,657	+12.1	14,085	13,591
Communications equipment	6,520	5,759	5,316	+13.2	+8.3	-6.3	5,520	6,781	4,827	4,389	+25.8	39,573	34,817
Electronic components	10,580	10,437	9,871	+1.4	+5.7	-1.3	11,069	9,858	9,391	11,747	-5.8	70,621	70,099
Transportation equipment	41,591	41,758	42,299	-0.4	-1.3	+14.6	28,506	44,359	43,218	22,541	+26.5	281,748	252,409
Aircraft, missiles, space vehicles, and parts	10,302	9,872	12,260	+4.4	-19.5	+61.8	8,246	10,764	10,732	5,738	+43.7	75,840	52,296
Shipbuilding and tanks	305	2,125	450	-85.6	+372.2	+1.8	194	2,285	452	377	-48.5	6,223	4,532
Instruments and related products	12,798	12,148	12,516	+5.4	-2.9	-0.5	11,342	13,179	12,339	10,029	+13.1	85,078	79,787
Search and navigation equipment	2,133	2,158	2,502	-1.2	-13.7	-5.8	1,630	2,312	2,310	1,594	+2.3	16,034	15,114
Measuring and controlling devices	3,884	3,706	3,670	+4.8	+1.0	+0.2	3,334	3,959	3,674	3,240	+2.9	25,804	25,330
Medical instruments and supplies	4,372	3,967	4,096	+10.2	-3.1	+3.6	4,198	4,278	4,049	3,296	+27.4	27,586	24,589
All other durable goods	17,682	17,642	17,634	+0.2	0.0	+2.5	16,657	18,534	17,946	15,672	+6.3	118,876	116,391
Nondurable goods industries	144,705	142,145	143,907	+1.8	-1.2	+0.3	139,616	148,505	144,855	132,013	+5.8	984,572	953,273
With unfilled orders	36,333	36,245	36,059	+0.2	+0.5	-0.1	34,781	37,336	35,364	34,625	+0.5	247,963	247,915

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, hich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95
All manufacturing industries	504,162	499,201	495,913	+1.0	+0.7	+0.6	506,113	499,646	500,280	472,881	+7.0
Manufacturing industries without defense capital goods	395,938	390,298	388,914	+1.4	+0.4	+0.7	398,580	390,227	392,484	370,610	+7.5
Durable goods industries	480,145	475,397	472,305	+1.0	+0.7	+0.6	480,999	475,001	475,947	444,940	+8.1
Stone, clay, and glass products	6,545	6,781	6,880	-3.5	-1.4	-2.2	6,735	6,711	6,990	7,163	-6.0
Primary metals	31,297	30,675	29,766	+2.0	+3.1	+1.8	31,236	30,970	30,783	28,326	+10.3
Blast furnaces, steel mills	12,818	12,531	12,352	+2.3	+1.4	+2.7	12,754	12,625	12,821	11,438	+11.5
Iron and steel foundries	4,217	4,212	4,013	+0.1	+5.0	-0.1	4,234	4,258	4,065	3,678	+15.1
Nonferrous and other primary metals	14,262	13,932	13,401	+2.4	+4.0	+1.5	14,248	14,087	13,897	13,210	+7.9
Fabricated metal products	22,449	22,291	22,120	+0.7	+0.8	+1.8	22,801	22,392	22,205	22,191	+2.7
Industrial machinery and equipment	72,814	71,781	72,045	+1.4	-0.4	+0.4	72,285	71,238	72,233	70,147	+3.0
Engines and turbines	10,996	10,761	11,017	+2.2	-2.3	+1.0	10,793	10,450	10,541	10,668	+1.2
Construction, mining and material handling equipment	9,299	9,277	9,225	+0.2	+0.6	+0.8	9,085	9,290	9,420	7,985	+13.8
Metalworking machinery	9,159	8,904	8,974	+2.9	-0.8	+2.0	9,159	8,904	8,974	9,864	-7.1
Computer and office equipment	10,309	9,702	9,584	+6.3	+1.2	-0.7	10,587	9,814	9,886	10,811	-2.1
Electronic and other electrical equipment	49,551	48,312	48,508	+2.6	-0.4	-1.8	50,520	47,674	49,293	51,394	-1.7
Electrical transmission and distribution equipment and industrial apparatus	6,393	6,082	6,034	+5.1	+0.8	+0.1	6,430	6,011	6,095	6,438	-0.1
Electric lighting and wiring equipment	4,315	4,150	4,145	+4.0	+0.1	-0.1	4,315	4,150	4,145	3,940	+9.5
Communications equipment	15,221	14,866	15,343	+2.4	-3.1	-3.1	15,235	14,906	15,318	14,023	+8.6
Electronic components	19,737	19,144	18,848	+3.1	+1.6	-2.2	20,665	18,564	19,624	22,556	-8.4
Transportation equipment	242,299	240,253	237,132	+0.9	+1.3	+1.1	241,921	240,680	238,025	209,695	+15.4
Aircraft, missiles, space vehicles, and parts	211,850	209,733	208,125	+1.0	+0.8	+1.5	211,419	210,291	208,996	177,901	+18.8
Shipbuilding and tanks	17,288	17,828	16,638	-3.0	+7.2	-2.0	17,370	17,964	16,705	18,429	-5.7
Instruments and related products	47,785	47,835	48,274	-0.1	-0.9	-0.1	47,513	47,601	48,179	47,523	0.0
Search and navigation equipment	28,802	29,267	29,607	-1.6	-1.1	-0.1	28,528	29,185	29,558	29,660	-3.8
Measuring and controlling devices	10,033	9,945	10,055	+0.9	-1.1	-1.7	10,033	9,945	10,055	9,945	+0.9
Medical instruments and supplies	7,996	7,649	7,683	+4.5	-0.4	+2.1	7,980	7,489	7,620	7,159	+11.5
All other durable goods	7,405	7,469	7,580	-0.9	-1.5	+1.3	7,988	7,735	8,239	8,501	-6.0
Nondurable goods industries	24,017	23,804	23,608	+0.9	+0.8	+0.8	25,114	24,645	24,333	27,941	-10.1

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey variability

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95
All manufacturing industries	434,521	433,868	434,220	+0.2	-0.1	-0.3	436,354	431,893	437,820	428,772	+1.8
Manufacturing industries											
With unfilled orders	291,525	291,246	291,756	+0.1	-0.2	-0.3	294,416	291,048	295,429	288,632	+2.0
Without defense capital goods	415,131	414,518	415,005	+0.1	-0.1	-0.3	416,529	412,334	418,439	408,106	+2.1
Durable goods industries	274,644	273,649	273,857	+0.4	-0.1	0.0	276,118	272,284	276,629	267,829	+3.1
With unfilled orders	251,812	251,228	251,512	+0.2	-0.1	-0.1	253,928	250,699	254,567	246,455	+3.0
Stone, clay, and glass products	8,201	8,274	8,285	-0.9	-0.1	-0.9	8,313	8,375	8,501	8,743	-4.9
Primary metals	23,539	23,726	23,687	-0.8	+0.2	0.0	23,724	23,611	23,676	24,020	-1.2
Blast furnaces, steel mills	11,528	11,570	11,558	-0.4	+0.1	-0.8	11,666	11,389	11,420	11,597	+0.6
Iron and steel foundries	1,440	1,443	1,427	-0.2	+1.1	-0.6	1,434	1,474	1,470	1,400	+2.4
Nonferrous and other primary metals	10,571	10,713	10,702	-1.3	+0.1	+0.8	10,624	10,748	10,786	11,023	-3.6
Fabricated metal products	26,008	25,671	25,897	+1.3	-0.9	-0.6	26,282	25,983	26,248	27,306	-3.8
Industrial machinery and equipment	59,318	58,772	59,510	+0.9	-1.2	-0.3	59,304	57,982	60,396	56,646	+4.7
Engines and turbines	3,823	3,787	3,797	+1.0	-0.3	+0.5	3,907	3,740	3,856	4,132	-5.4
Farm and garden machinery	2,917	2,929	2,929	-0.4	0.0	-0.8	2,663	2,732	2,791	2,569	+3.7
Construction, mining and material handling equipment	7,186	7,152	7,145	+0.5	+0.1	+0.2	7,114	7,191	7,279	6,971	+2.1
Metalworking machinery	7,076	7,081	7,142	-0.1	-0.9	+1.5	7,239	7,063	7,200	6,795	+6.5
Computer and office equipment	13,243	12,994	13,568	+1.9	-4.2	-2.3	13,415	12,501	13,982	12,601	+6.5
Electronic and other electrical equipment	41,042	41,095	40,954	-0.1	+0.3	-0.1	41,564	41,089	41,550	39,500	+5.2
Electrical transmission and distribution equipment and industrial apparatus	4,678	4,683	4,747	-0.1	-1.3	-0.3	4,724	4,657	4,783	5,306	-11.0
Household appliances	2,681	2,637	2,568	+1.7	+2.7	-1.2	2,654	2,710	2,789	2,788	-4.8
Electric lighting and wiring equipment	3,326	3,298	3,327	+0.8	-0.9	-1.2	3,396	3,352	3,398	3,525	-3.7
Household audio and video equipment	1,576	1,566	1,607	+0.6	-2.6	-1.8	1,685	1,644	1,644	1,542	+9.3
Communications equipment	10,986	10,992	10,836	-0.1	+1.4	+0.1	11,010	10,914	11,184	9,861	+11.7
Electronic components	14,215	14,330	14,280	-0.8	+0.4	+0.5	14,400	14,152	14,117	12,910	+11.5
Transportation equipment	66,597	66,399	65,674	+0.3	+1.1	+0.2	66,863	65,520	66,056	63,415	+5.4
Motor vehicles and parts	15,869	15,537	15,666	+2.1	-0.8	-0.8	15,870	14,963	15,532	15,672	+1.3
Aircraft, missiles, space vehicles, and parts	45,637	45,840	45,051	-0.4	+1.8	+0.6	45,928	45,624	45,528	42,857	+7.2
Shipbuilding and tanks	1,808	1,878	1,867	-3.7	+0.6	+3.4	1,839	1,880	1,944	1,828	+0.6
Instruments and related products	24,877	24,523	24,645	+1.4	-0.5	0.0	25,145	24,636	24,922	23,416	+7.4
Search and navigation equipment	6,694	6,456	6,525	+3.7	-1.1	-0.2	6,800	6,472	6,588	6,069	+12.0
Measuring and controlling devices	7,971	7,890	7,882	+1.0	+0.1	0.0	8,051	7,911	7,954	7,482	+7.6
Medical instruments and supplies	7,291	7,279	7,221	+0.2	+0.8	+0.2	7,335	7,327	7,301	6,848	+7.1
Photographic goods	2,297	2,267	2,381	+1.3	-4.8	+0.1	2,329	2,285	2,434	2,386	-2.4
other durable goods	25,062	25,189	25,205	-0.5	-0.1	+1.2	24,923	25,088	25,280	24,783	+0.6
Nondurable goods industries	159,877	160,219	160,363	-0.2	-0.1	-0.7	160,236	159,609	161,191	160,943	-0.4
With unfilled orders	39,713	40,018	40,244	-0.8	-0.6	-1.4	40,488	40,349	40,862	42,177	-4.0
Food and kindred products	33,300	33,271	33,248	+0.1	+0.1	-0.6	32,295	31,728	32,018	31,538	+2.4
Meat products	4,008	4,046	4,063	-0.9	-0.4	-1.4	4,008	4,079	4,126	3,625	+10.6
Dairy products	2,921	2,779	2,650	+5.1	+4.9	+0.5	3,052	2,836	2,720	2,756	+10.7
Beverages	6,170	6,207	6,194	-0.6	+0.2	-0.1	6,071	6,169	6,191	6,047	+0.4
All other foods, except fats and oils	17,925	18,053	18,222	-0.7	-0.9	-0.8	17,011	16,576	16,867	17,580	-3.2
Tobacco products	5,508	5,586	5,606	-1.4	-0.4	+0.3	5,122	5,242	5,367	5,123	0.0
Textile mill products	10,004	10,007	10,055	0.0	-0.5	-0.6	10,167	10,096	10,411	10,407	-2.3
Broadwoven fabrics and other textiles	5,973	5,987	6,014	-0.2	-0.4	-0.5	6,063	6,000	6,178	6,257	-3.1
Yarn and allied products	16,657	16,749	16,933	-0.5	-1.1	-1.7	16,633	16,724	17,181	16,819	-1.1
Pulp, paper, and paperboard mill products	6,992	7,008	7,010	-0.2	0.0	-2.0	6,908	6,925	7,092	6,284	+9.9
Paperboard containers and boxes	3,978	4,060	4,213	-2.0	-3.6	-2.7	4,010	4,059	4,220	4,804	-16.5
Miscellaneous converted paper products	5,687	5,681	5,710	+0.1	-0.5	-0.5	5,715	5,740	5,869	5,731	-0.3
Chemicals and allied products	38,947	39,086	38,995	-0.4	+0.2	-0.4	39,041	39,035	39,446	38,847	+0.5
Industrial chemicals	18,662	18,770	18,673	-0.6	+0.5	-1.2	18,718	18,657	18,695	19,077	-1.9
Drugs, soaps, and toiletries	15,278	15,290	15,343	-0.1	-0.3	0.0	15,553	15,547	15,751	15,135	+2.8
Petroleum and coal products	12,421	12,287	12,345	+1.1	-0.5	-0.7	12,716	12,544	12,697	11,791	+7.8
Rubber and plastics products	15,264	15,241	15,147	+0.2	+0.6	-0.2	15,271	15,227	15,298	15,472	-1.3
other nondurable goods	27,776	27,992	28,034	-0.8	-0.1	-1.4	28,991	29,013	28,773	30,946	-6.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	312,672	308,851	311,203	+1.2	-0.8	+1.0	280,147	330,391	314,342	262,199	+6.8	2,114,530	2,037,318
Market categories :													
Automotive equipment	14,453	13,889	14,100	+4.1	-1.5	+1.7	9,196	14,715	15,379	7,876	+16.8	94,593	91,481
Home goods and apparel	18,701	18,653	18,679	+0.3	-0.1	+0.9	17,314	19,564	17,665	16,291	+6.3	123,340	118,474
Consumer staples	66,085	64,478	65,608	+2.5	-1.7	+0.1	64,205	66,631	65,367	58,411	+9.9	444,299	413,520
Machinery and equipment	55,523	55,574	55,666	-0.1	-0.2	+2.7	45,310	62,910	55,542	41,245	+9.9	373,667	351,087
Business supplies	24,919	24,623	24,639	+1.2	-0.1	-0.7	23,633	25,618	24,792	21,904	+7.9	168,857	158,247
Construction materials and supplies	19,746	19,207	19,202	+2.8	0.0	+2.0	18,863	20,694	19,730	17,484	+7.9	130,168	128,632
Defense products	6,166	6,537	6,341	-5.7	+3.1	+1.8	5,553	7,003	6,217	5,723	-3.0	43,010	44,250
Other materials, supplies and and intermediate products	107,079	105,890	106,968	+1.1	-1.0	+0.9	96,073	113,256	109,650	93,265	+3.0	736,596	731,627
Durable goods industries													
Nondefense capital goods [3]	42,339	42,985	42,799	-1.5	+0.4	+2.8	35,961	50,044	41,173	33,449	+7.5	287,062	270,045
Excluding aircraft and parts	37,133	38,047	36,784	-2.4	+3.4	+0.3	31,534	44,152	35,436	29,241	+7.8	252,910	233,848
Defense capital goods [4]	5,814	6,205	5,999	-6.3	+3.4	+1.7	5,168	6,695	5,870	5,371	-3.8	40,497	41,447
Durables excluding capital goods	120,027	117,712	118,689	+2.0	-0.8	+1.4	99,871	125,459	122,703	91,732	+8.9	804,753	775,918
Miscellaneous series :													
Producers' durable equipment	108,387	107,573	107,909	+0.8	-0.3	+2.3	86,171	118,904	109,636	77,902	+10.6	726,433	689,922
Household durable goods	9,259	9,299	9,242	-0.4	+0.6	+1.4	8,015	9,678	8,846	7,149	+12.1	60,469	54,791
Information technology industries	21,077	21,140	20,502	-0.3	+3.1	+1.8	17,259	25,260	19,158	15,122	+14.1	138,274	124,077
Health care equipment and products	10,437	10,181	10,236	+2.5	-0.5	+1.5	9,716	10,757	9,723	8,651	+12.3	69,137	63,837
NEW ORDERS													
All manufacturing industries	317,633	312,139	314,194	+1.8	-0.7	+2.3	286,614	329,757	315,187	263,097	+8.9	2,146,168	2,045,892
Market categories :													
Automotive equipment	14,470	13,889	14,077	+4.2	-1.3	+1.7	9,269	14,669	15,316	7,905	+17.3	94,593	91,425
Home goods and apparel	18,445	18,482	18,703	-0.2	-1.2	+1.0	17,311	19,347	17,769	16,403	+5.5	125,584	121,780
Consumer staples	66,270	64,532	65,677	+2.7	-1.7	+0.2	64,565	66,731	65,447	58,607	+10.2	444,769	413,878
Machinery and equipment	58,771	55,820	57,833	+5.3	-3.5	+8.6	48,677	62,339	57,747	39,787	+22.3	392,275	351,619
Business supplies	25,052	24,720	24,718	+1.3	0.0	-1.1	23,829	25,576	24,991	21,989	+8.4	169,357	158,813
Construction materials and supplies	19,863	19,215	19,179	+3.4	+0.2	+2.1	19,111	20,616	19,719	17,726	+7.8	130,928	129,220
Defense products	5,417	8,332	6,816	-35.0	+22.2	+5.9	3,607	8,570	5,316	4,281	-15.7	47,176	39,130
Other materials, supplies and and intermediate products	109,345	107,149	107,191	+2.0	0.0	+1.5	100,245	111,909	108,882	96,399	+4.0	741,486	740,027
Durable goods industries													
Nondefense capital goods [3]	46,177	42,921	44,979	+7.6	-4.6	+11.1	39,842	49,281	43,271	32,092	+24.1	305,521	271,245
Excluding aircraft and parts	38,944	37,385	36,454	+4.2	+2.6	-0.3	33,388	42,791	35,024	28,538	+17.0	256,279	239,449
Defense capital goods [4]	5,135	8,109	6,414	-36.7	+26.4	+6.2	3,282	8,318	4,856	3,598	-8.8	44,919	35,842
Durables excluding capital goods	121,616	118,964	118,894	+2.2	+0.1	+1.7	103,874	123,653	122,205	95,394	+8.9	811,156	785,532
Miscellaneous series :													
Producers' durable equipment	111,847	107,682	109,868	+3.9	-2.0	+5.2	90,638	117,618	111,780	77,329	+17.2	745,385	693,035
Household durable goods	9,091	9,192	9,252	-1.1	-0.6	+1.2	8,129	9,425	8,938	7,589	+7.1	61,614	56,133
Information technology industries	21,926	20,424	19,570	+7.4	+4.4	-4.2	18,286	24,341	18,665	15,002	+21.9	139,271	126,355
Health care equipment and products	10,784	10,147	10,397	+6.3	-2.4	+2.5	10,208	10,626	9,925	8,604	+18.6	69,619	63,056

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines, construction, mining, and mate handling equipment, metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and ser industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment; aircraft, missiles, space vehicles, and engi and parts, ships and tank components; railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components, and search and navigation equipment.

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95
UNFILLED ORDERS											
All manufacturing industries	504,162	499,201	495,913	+1.0	+0.7	+0.6	506,113	499,646	500,280	472,881	+7.0
arket categories :											
Automotive equipment	1,918	1,901	1,900	+0.9	+0.1	-1.2	1,918	1,845	1,891	2,108	-9.0
Home goods and apparel	8,977	9,233	9,404	-2.8	-1.8	+0.3	9,854	9,857	10,074	10,494	-6.1
Consumer staples	2,157	1,972	1,917	+9.4	+2.9	+3.7	2,295	1,936	1,835	2,035	+12.8
Machinery and equipment	227,497	224,249	224,003	+1.4	+0.1	+1.0	227,467	224,101	224,672	196,617	+15.7
Business supplies	6,620	6,487	6,390	+2.1	+1.5	+1.3	6,737	6,541	6,582	6,657	+1.2
Construction materials and supplies	15,810	15,693	15,685	+0.7	+0.1	-0.1	16,036	15,789	15,867	15,999	+0.2
Defense products	103,239	103,988	102,192	-0.7	+1.8	+0.5	102,536	104,483	102,916	97,019	+5.7
Other materials, supplies and and intermediate products	137,944	135,678	134,422	+1.7	+0.9	+0.2	139,270	135,094	136,443	141,952	-1.9
rable goods industries :											
Nondefense capital goods [3]	245,963	242,125	242,189	+1.6	0.0	+0.9	245,633	241,752	242,515	215,868	+13.8
Excluding aircraft and parts	99,023	97,212	97,874	+1.9	-0.7	-0.3	98,693	96,839	98,200	95,261	+3.6
Defense capital goods [4]	108,224	108,903	106,999	-0.6	+1.8	+0.4	107,533	109,419	107,796	102,271	+5.1
Durables excluding capital goods	125,958	124,369	123,117	+1.3	+1.0	+0.2	127,833	123,830	125,636	126,801	+0.8
scellaneous series :											
Producers' durable equipment	260,739	257,279	257,170	+1.3	0.0	+0.8	261,296	256,829	258,115	231,020	+13.1
Household durable goods	5,707	5,875	5,982	-2.9	-1.8	+0.2	6,119	6,005	6,258	6,403	-4.4
Information technology industries	38,952	38,103	38,819	+2.2	-1.8	-2.3	39,240	38,213	39,132	38,897	+0.9
Health care equipment and products	8,024	7,677	7,711	+4.5	-0.4	+2.1	8,010	7,517	7,648	7,191	+11.4
TOTAL INVENTORIES											
ll manufacturing industries	434,521	433,868	434,220	+0.2	-0.1	-0.3	436,354	431,893	437,820	428,772	+1.8
rket categories :											
Automotive equipment	8,261	8,021	7,990	+3.0	+0.4	-0.1	8,177	7,725	7,975	7,586	+7.8
Home goods and apparel	31,688	31,839	31,941	-0.5	-0.3	-0.7	32,555	32,954	33,189	33,267	-2.1
Consumer staples	64,262	64,377	64,457	-0.2	-0.1	-0.5	63,573	63,216	63,847	62,297	+2.0
Machinery and equipment	110,440	109,744	109,779	+0.6	0.0	+0.2	110,497	108,550	111,576	102,073	+8.3
Business supplies	25,896	25,956	26,030	-0.2	-0.3	-0.5	26,319	26,063	26,342	27,035	-2.6
Construction materials and supplies	25,791	25,787	25,835	0.0	-0.2	0.0	25,931	25,935	26,077	26,639	-2.7
Defense products	19,079	19,063	18,969	+0.1	+0.5	-0.3	19,470	19,254	19,106	20,278	-4.0
Other materials, supplies and and intermediate products	149,104	149,081	149,219	0.0	-0.1	-0.5	149,832	148,196	149,708	149,597	+0.2
rable goods industries :											
Nondefense capital goods [3]	104,257	103,684	103,809	+0.6	-0.1	+0.1	104,629	102,663	105,749	97,019	+7.8
Excluding aircraft and parts	71,630	70,915	71,642	+1.0	-1.0	-0.5	72,026	70,301	73,205	68,561	+5.1
Defense capital goods [4]	19,390	19,350	19,215	+0.2	+0.7	-0.2	19,825	19,559	19,381	20,666	-4.1
Durables excluding capital goods	150,997	150,615	150,833	+0.3	-0.1	0.0	151,664	150,062	151,499	150,144	+1.0
scellaneous series :											
Producers' durable equipment	176,652	175,428	175,972	+0.7	-0.3	-0.1	177,185	174,212	178,385	169,692	+4.4
Household durable goods	14,899	15,108	15,184	-1.4	-0.5	-0.2	15,158	15,447	15,631	15,126	+0.2
Information technology industries	36,798	36,357	36,932	+1.2	-1.6	-1.0	37,113	35,788	37,819	34,248	+8.4
Health care equipment and products	15,598	15,591	15,559	0.0	+0.2	+0.1	15,789	15,774	15,859	15,084	+4.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1996[p]	June 1996[r]	May 1996	June-July	May-June	Apr.-May	July 1996[p]	June 1996[r]	May 1996	July 1995	July 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	144,085	143,189	144,598	+0.6	-1.0	-0.7	144,170	141,933	144,054	144,023	+0.1
Durable goods industries	83,586	82,817	83,810	+0.9	-1.2	-0.6	83,598	81,635	83,224	81,868	+2.1
Stone, clay, and glass products	2,765	2,755	2,777	+0.4	-0.8	+0.1	2,776	2,761	2,777	2,819	-1.5
Primary metals	7,530	7,529	7,638	0.0	-1.4	+0.8	7,532	7,423	7,469	7,606	-1.0
Fabricated metal products	9,595	9,476	9,670	+1.3	-2.0	-1.0	9,624	9,502	9,633	9,945	-3.2
Industrial machinery and equipment	17,877	17,699	18,080	+1.0	-2.1	0.0	17,765	17,379	18,215	16,968	+4.7
Electronic and other electrical equipment	14,734	14,788	14,931	-0.4	-1.0	-1.1	14,891	14,627	14,855	14,627	+1.8
Transportation equipment	13,000	12,490	12,544	+4.1	-0.4	-1.4	13,031	12,274	12,571	12,384	+5.2
Instruments and related products	7,772	7,706	7,684	+0.9	+0.3	-0.7	7,819	7,701	7,727	7,213	+8.4
Lumber, furniture and miscellaneous durable goods	10,313	10,374	10,486	-0.6	-1.1	-0.3	10,160	9,968	9,977	10,306	-1.4
Nondurable goods industries	60,499	60,372	60,788	+0.2	-0.7	-1.0	60,572	60,298	60,830	62,155	-2.5
Food and kindred products	11,745	11,509	11,780	+2.1	-2.3	-0.3	11,408	11,263	11,559	11,007	+3.6
Tobacco products	4,592	4,633	4,623	-0.9	+0.2	+0.1	4,372	4,451	4,552	4,361	+0.3
Textile mill products	2,933	2,921	2,943	+0.4	-0.7	-0.4	3,005	2,954	3,035	3,090	-2.8
Paper and allied products	7,841	7,893	8,077	-0.7	-2.3	-2.9	7,790	7,819	8,070	8,667	-10.1
Chemicals and allied products	12,931	13,002	12,979	-0.5	+0.2	+0.1	13,038	13,111	13,073	13,066	-0.2
Petroleum and coal products	4,211	4,164	4,074	+1.1	+2.2	-3.9	4,325	4,291	4,178	4,043	+7.0
Rubber and plastics products	5,830	5,824	5,800	+0.1	+0.4	+0.4	5,901	5,808	5,803	6,301	-6.3
Apparel, printing and publishing and leather goods	10,416	10,426	10,512	-0.1	-0.8	-1.8	10,733	10,601	10,560	11,620	-7.6
WORK IN PROCESS											
All manufacturing industries	144,105	144,134	143,540	0.0	+0.4	+0.2	145,055	143,043	144,221	139,798	+3.8
Durable goods industries	118,248	118,206	117,640	0.0	+0.5	+0.2	119,178	117,524	118,587	114,140	+4.4
Stone, clay, and glass products	1,198	1,228	1,228	-2.4	0.0	-0.2	1,239	1,274	1,281	1,323	-6.3
Primary metals	9,046	9,095	9,079	-0.5	+0.2	+0.2	9,185	9,058	9,078	8,961	+2.5
Fabricated metal products	7,350	7,327	7,385	+0.3	-0.8	-1.3	7,395	7,303	7,408	7,971	-7.2
Industrial machinery and equipment	24,213	24,024	24,177	+0.8	-0.6	-0.1	24,351	23,709	24,455	23,559	+3.4
Electronic and other electrical equipment	15,254	15,356	15,082	-0.7	+1.8	+0.7	15,402	15,357	15,275	13,986	+10.1
Transportation equipment	45,516	45,708	45,081	-0.4	+1.4	+0.3	45,716	45,236	45,314	43,231	+5.7
Instruments and related products	11,110	10,884	11,015	+2.1	-1.2	+0.6	11,300	10,976	11,121	10,340	+9.3
Lumber, furniture and miscellaneous durable goods	4,561	4,584	4,593	-0.5	-0.2	+0.9	4,590	4,611	4,655	4,769	-3.8
Nondurable goods industries	25,857	25,928	25,900	-0.3	+0.1	0.0	25,877	25,519	25,634	25,658	+0.9
Food and kindred products	4,362	4,485	4,458	-2.7	+0.6	-0.1	4,049	4,196	4,057	4,023	+0.6
Tobacco products	280	275	276	+1.8	-0.4	+7.0	211	195	205	234	-9.8
Textile mill products	2,743	2,775	2,790	-1.2	-0.5	-0.8	2,767	2,751	2,816	2,841	-2.6
Paper and allied products	1,771	1,770	1,771	+0.1	-0.1	+0.9	1,816	1,801	1,792	1,662	+9.3
Chemicals and allied products	6,823	6,854	6,728	-0.5	+1.9	-0.5	6,900	6,822	6,790	6,590	+4.7
Petroleum and coal products	2,497	2,402	2,510	+4.0	-4.3	+0.2	2,547	2,427	2,582	2,347	+8.5
Rubber and plastics products	2,038	2,028	2,015	+0.5	+0.6	-0.5	2,010	1,970	2,006	2,031	-1.0
Apparel, printing and publishing and leather goods	5,343	5,339	5,352	+0.1	-0.2	+0.5	5,577	5,357	5,386	5,930	-6.0
FINISHED GOODS											
All manufacturing industries	146,331	146,545	146,082	-0.1	+0.3	-0.3	147,129	146,917	149,545	144,951	+1.5
Durable goods industries	72,810	72,626	72,407	+0.3	+0.3	+0.3	73,342	73,125	74,818	71,821	+2.1
Stone, clay, and glass products	4,238	4,291	4,280	-1.2	+0.3	-1.8	4,298	4,340	4,443	4,601	-6.6
Primary metals	6,963	7,102	6,970	-2.0	+1.9	-1.3	7,007	7,130	7,129	7,453	-6.0
Fabricated metal products	9,063	8,868	8,842	+2.2	+0.3	+0.5	9,263	9,178	9,207	9,390	-1.4
Industrial machinery and equipment	17,228	17,049	17,253	+1.0	-1.2	-0.9	17,188	16,894	17,726	16,119	+6.6
Electronic and other electrical equipment	11,054	10,951	10,941	+0.9	+0.1	+0.3	11,271	11,105	11,420	10,887	+3.5
Transportation equipment	8,081	8,201	8,049	-1.5	+1.9	+2.3	8,116	8,010	8,171	7,800	+4.1
Instruments and related products	5,995	5,933	5,946	+1.0	-0.2	-0.1	6,026	5,959	6,074	5,863	+2.8
Lumber, furniture and miscellaneous durable goods	10,188	10,231	10,126	-0.4	+1.0	+2.9	10,173	10,509	10,648	9,708	+4.8
Nondurable goods industries	73,521	73,919	73,675	-0.5	+0.3	-0.8	73,787	73,792	74,727	73,130	+0.9
Food and kindred products	17,193	17,277	17,010	-0.5	+1.6	-0.9	16,838	16,269	16,402	16,508	+2.0
Tobacco products	636	678	707	-6.2	-4.1	-1.3	539	596	610	528	+2.1
Textile mill products	4,328	4,311	4,322	+0.4	-0.3	-0.6	4,395	4,391	4,560	4,476	-1.8
Paper and allied products	7,045	7,086	7,085	-0.6	0.0	-0.9	7,027	7,104	7,319	6,490	+8.3
Chemicals and allied products	19,193	19,230	19,288	-0.2	-0.3	-0.7	19,103	19,102	19,583	19,191	-0.5
Petroleum and coal products	5,713	5,721	5,761	-0.1	-0.7	+1.3	5,844	5,826	5,937	5,401	+8.2
Rubber and plastics products	7,396	7,389	7,332	+0.1	+0.8	-0.5	7,360	7,449	7,489	7,140	+3.1
Apparel, printing and publishing and leather goods	12,017	12,227	12,170	-1.7	+0.5	-1.8	12,681	13,055	12,827	13,396	-5.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1996[p]	June 1996[r]	May 1996	Apr. 1996	July 1996[p]	June 1996[r]	May 1996	Apr. 1996
All manufacturing industries	1.39	1.40	1.40	1.41	2.93	2.91	2.89	2.91
urable goods industries	1.63	1.64	1.64	1.66	3.54	3.51	3.47	3.51
Stone, clay, and glass products	1.15	1.20	1.18	1.24	0.97	1.04	1.04	1.10
Primary metals	1.56	1.62	1.57	1.57	2.07	2.09	1.98	1.94
Fabricated metal products	1.49	1.47	1.47	1.49	1.37	1.37	1.34	1.34
Industrial machinery and equipment	1.88	1.84	1.90	1.92	2.46	2.38	2.45	2.44
Electronic and other electrical equipment	1.53	1.52	1.53	1.54	1.85	1.79	1.82	1.86
Transportation equipment	1.68	1.72	1.66	1.72	12.57	12.42	11.86	12.57
Instruments and related products	1.94	1.95	1.96	2.00	3.72	3.80	3.84	3.92
ondurable goods industries	1.11	1.13	1.12	1.13	0.66	0.66	0.66	0.65
Food and kindred products	0.85	0.88	0.86	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.93	2.04	2.10	2.06	(X)	(X)	(X)	(X)
Textile mill products	1.54	1.49	1.55	1.59	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.26	1.26	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.23	1.27	1.25	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.84	0.81	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products	1.26	1.28	1.26	1.27	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1996	July[2] 1991-1995	July 1995-June 1996	July[1] 1996	July[2] 1991-1995	July 1995-June 1996	July[1] 1996	July[2] 1991-1995	July 1995-June 1996	July[1] 1996	July[2] 1991-1995	July 1995-June 1996
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
rable goods industries	0.1	0.3	0.3	0.1	0.3	0.4	0.0	0.0	0.1	(X)	0.2	0.1
tone, clay, and glass products	(X)	0.9	0.5	(X)	1.5	0.8	(X)	0.6	0.6	(X)	0.2	0.1
rimary metals	-0.6	0.2	0.4	-1.1	0.6	0.6	0.1	0.3	0.3	(X)	0.2	0.1
abricated metal products	(X)	0.3	0.4	(X)	0.3	0.5	(X)	0.2	0.3	(X)	0.1	0.1
ndustrial machinery and equipment	0.4	0.3	0.6	0.8	0.3	0.7	0.1	0.1	0.1	(X)	0.1	0.1
lectronic and other electrical equipment	0.0	0.4	0.3	0.0	1.0	0.6	0.0	0.3	0.3	(X)	0.1	0.1
ransportation equipment	0.1	0.7	0.7	-0.4	0.5	1.2	0.0	0.1	0.2	(X)	0.8	0.3
nstruments and related products	(X)	0.3	0.4	(X)	0.5	0.7	(X)	0.1	0.2	(X)	0.1	0.2
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.1	0.1
ood and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
obacco products	(X)	0.3	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
extile mill products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
aper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.5	0.2
hemicals and allied products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
etroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
ubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
pital goods industries :												
ondefense	0.5	0.2	0.5	0.4	0.6	0.7	0.0	0.1	0.1	(X)	0.6	0.3
efense	-0.4	0.3	0.8	-0.2	1.7	5.5	0.0	0.1	0.3	(X)	0.3	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

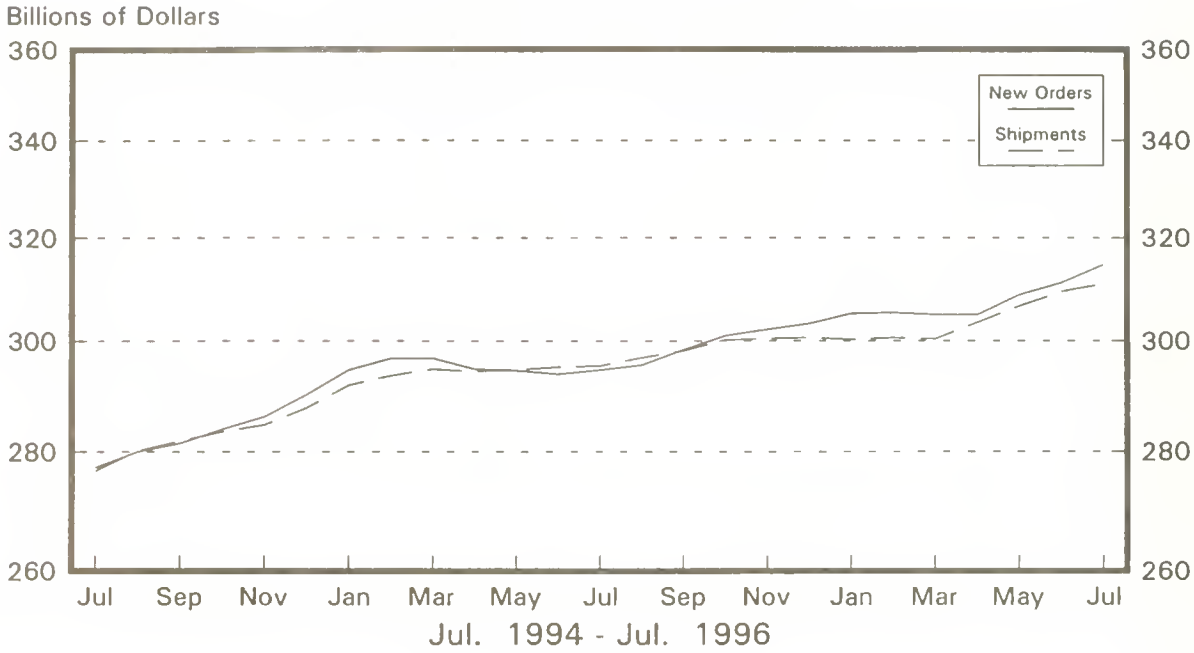
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

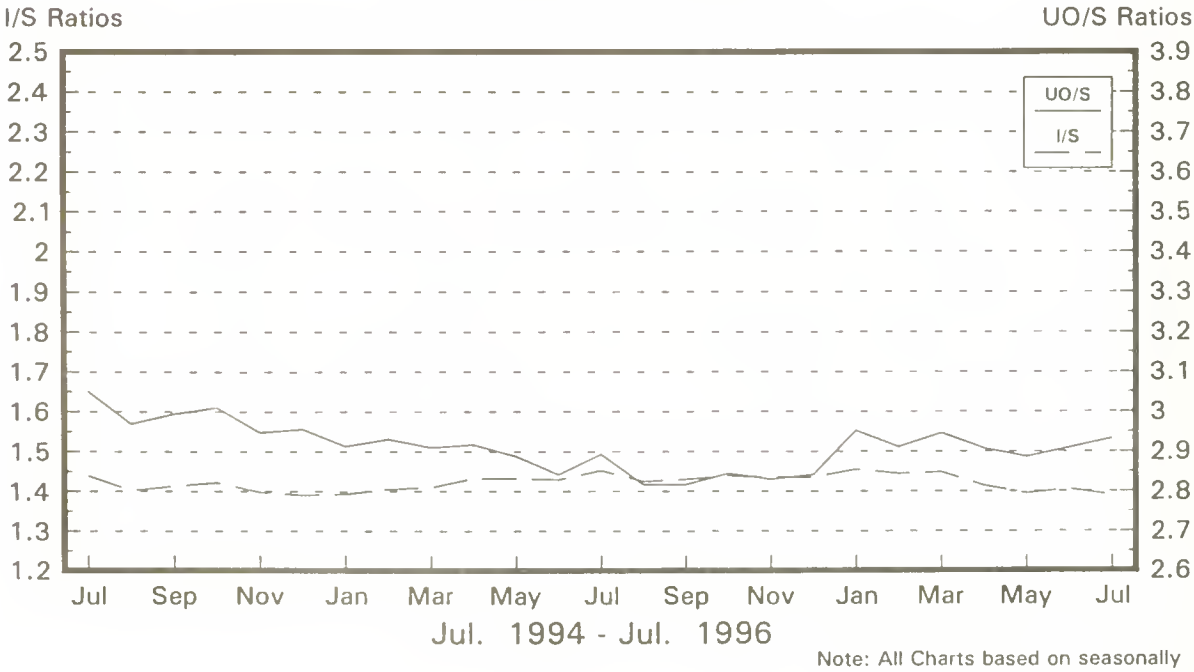
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

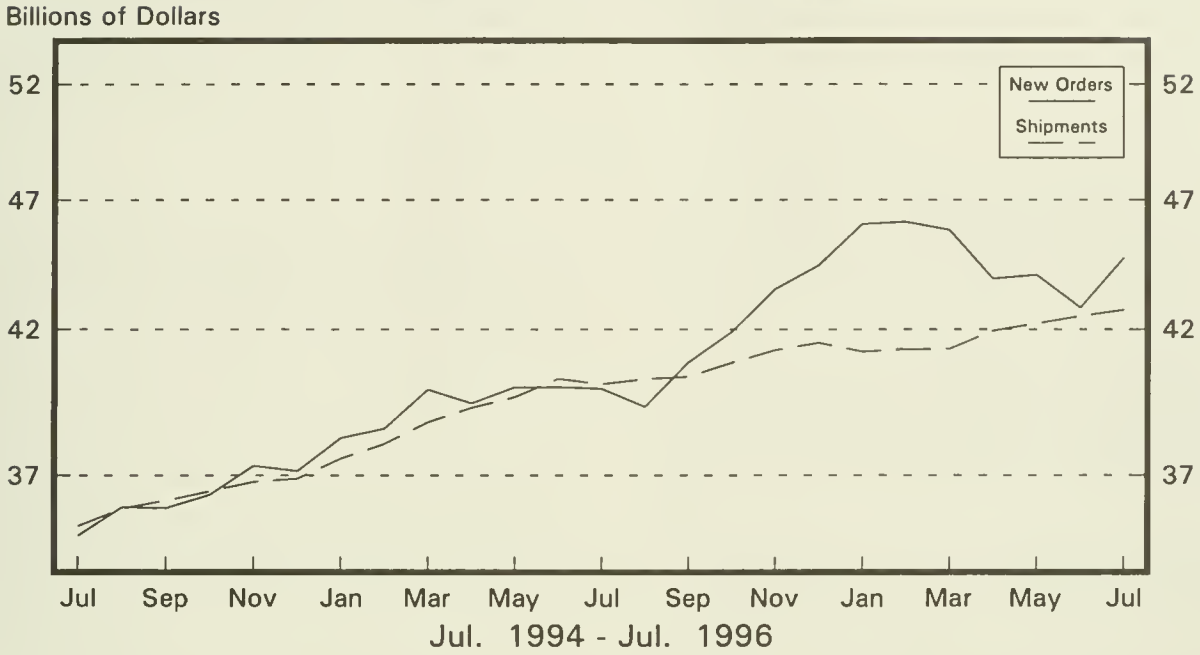
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

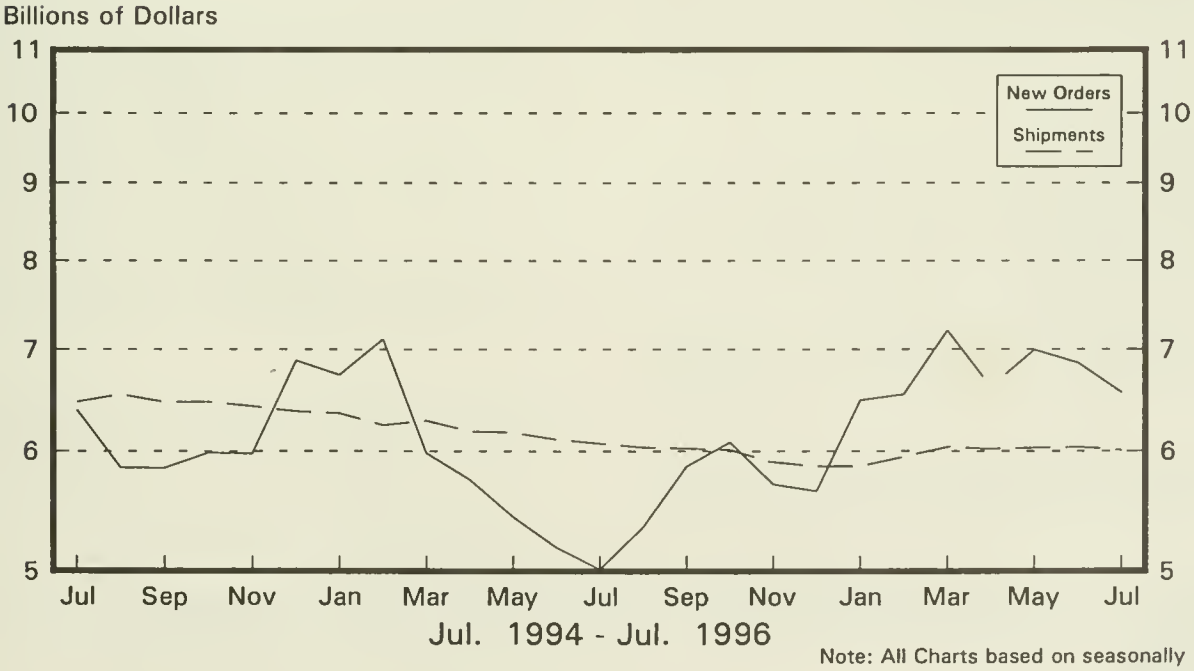
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

September 1996
M3-1-(96)-9
For Wire Transmissions 10:00 a.m. E.S.T. November 1, 1996

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For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased $8.4 billion or 2.7 percent to $319.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.1 percent August decrease, is the sixth increase this year, and the largest since August 1994. Excluding transportation, new orders increased 0.4 percent, following a 1.1 percent August decrease. Year to date, new orders are 4.8 percent above the same period a year ago.

Shipments, up five of the last six months, increased $2.4 billion or 0.8 percent to $315.3 billion, following a 0.1 percent August increase. Year to date, shipments are 4.0 percent above the same period a year ago.

Unfilled orders, up four of the last five months, increased $3.7 billion or 0.7 percent to $505.6 billion, following a 0.5 percent August decrease. The unfilled orders-to-shipments ratio was 2.91, unchanged from August.

Inventories, up for the third consecutive month, increased $1.4 billion or 0.3 percent to $437.1 billion, following a 0.3 percent August increase. The inventories-to-shipments ratio was 1.39, unchanged from August.

New Orders

New orders for manufactured durable goods in September increased $8.1 billion or 4.9 percent to $174.4 billion, revised from the previously published 4.6 percent increase. This follows a 3.6 percent August decrease and is the largest increase since December 1992.

Transportation equipment had the largest increase, $7.4 billion or 19.8 percent to $44.9 billion, with over three-fourths of the increase due to aircraft and parts. This is the first increase since May and the third this year. Stone, clay, and glass products, also up for the first month since May, increased $0.4 billion or 5.8 percent to $7.2 billion. This follows a 0.2 percent August decline. Fabricated metal products, up five of the last six months, increased $0.3 billion or 1.6 percent to $18.2 billion. Instruments and related products increased $0.2 billion or 1.4 percent to $12.3 billion, following a 4.2 percent August decline. Primary metals, down three of the last four months, decreased $0.2 billion or 1.3 percent to $15.0 billion, following a 3.9 percent August decline. Industrial machinery and equipment decreased $0.2 billion or 0.5 percent to $32.2 billion. This follows a 0.7 percent August decrease and four consecutive monthly increases. Electronic and other electrical equipment, down for the second consecutive month, decreased $0.1 billion or 0.5 percent to $26.5 billion. This follows a 5.3 percent August decrease.

New orders for nondurable goods, up two of the last three months, increased $0.3 billion or 0.2 percent to $144.6 billion, following a 0.4 percent August decline. Petroleum and coal products had the largest increase; food and kindred products, and paper and allied products had the largest declines.

Shipments

Shipments of durable goods in September, up for the third consecutive month, increased $2.4 billion or 1.4 percent to $170.8 billion, unrevised from previously published 1.4 percent increase. This follows a 0.4 percent September increase.

Transportation equipment, up for the third consecutive month, had the largest increase, $1.2 billion or 3.0 percent to $40.9 billion, led by motor vehicles and parts, all component industries increased. This follows a 1.3 percent August increase. Electronic and other electrical equipment increased $0.5 billion or 2.0 percent to $27.2 billion, the fourth increase in the last five months. Industrial machinery and equipment, up four of the last five months, increased $0.4 billion or 1.4 percent to $32.5 billion, following a 1.2 percent August increase. Instruments and related products, down for the second consecutive month, decreased $0.1 billion or 1.1 percent to $12.5 billion.

Shipments of nondurable goods, up for the seventh month this year, increased $0.1 billion to $144.4 billion, following a 0.2 percent August decrease. Petroleum and coal products had the largest increase, $0.5 billion or 3.5 percent to $15.7 billion. This follows a 2.6 percent August increase and is the tenth increase in the last twelve months. Food and kindred products, down three of the last four months, had the largest decline, $0.3 billion or 0.9 percent to $38.7 billion, following a 0.2 percent August decline.

Unfilled Orders

Unfilled orders for durable goods in September increased $3.6 billion or 0.7 percent to $481.4 billion, unrevised from the previously published 0.7 percent increase. This follows a 0.5 percent August decrease and is the fourth increase in the last five months.

Transportation equipment, up four of the last five months, had the largest increase, $4.0 billion or 1.7 percent to $243.8 billion, due to aircraft and parts. This follows a 0.9 percent August decline. Fabricated metal products, up for the eighth consecutive month, increased $0.3 billion or 1.5 percent to $22.9 billion. Stone, clay, and glass products, up for the first month since November 1995, increased $0.3 billion or 4.8 percent to $6.6 billion. Primary metals, up for the sixth consecutive month, increased $0.1 billion or 0.5 percent to $31.9 billion, following a 1.1 percent August increase. Electronic and other electrical equipment decreased $0.7 billion or 1.4 percent to $49.1 billion, the seventh decline in the last eight months. Industrial machinery and equipment, down for the first month since June, decreased $0.3 billion or 0.4 percent to $72.7 billion, following a 0.4 percent August increase.

Inventories

Inventories of durable goods in September increased $0.5 billion or 0.2 percent to $276.4 billion, the third consecutive monthly increase. Transportation equipment, up eight of the last nine months, increased $0.4 billion or 0.5 percent to $67.5 billion. This follows a 0.4 percent August increase. Primary metals, up three of the last four months, increased $0.3 billion or 1.2 percent to $23.9 billion, following a 0.2 percent August increase. Industrial machinery and equipment decreased $0.5 billion or 0.8 percent to $58.7 billion, the fourth decline in the last five months.

Inventories of nondurable goods, up for the second consecutive month, increased $1.0 billion or 0.6 percent to $160.7 billion, following a 0.1 percent August increase. The largest increases were in food and kindred products, chemicals and allied products, petroleum and coal products and rubber and plastic products.

By stage of fabrication, September finished goods increased 0.3 percent in durables and 1.1 percent in nondurables. Work in process increased slightly in durables and decreased slightly in nondurables. Materials and supplies increased 0.3 percent in durables and 0.3 percent in nondurables.

Beginning November 15, 1996, this document will not be available on CENDATA, FASTFAX or the CENSUS/BEA forum. This document and future releases can be retrieved from the Census Bureau's World-Wide-Web site:http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for October is scheduled for November 27, 1996 at 10:00 a.m. and the full report on December 6, 1996 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95	1996[p]	1995
All manufacturing industries	315,280	312,847	312,400	+0.8	+0.1	+1.1	335,766	315,225	279,693	319,953	+4.9	2,765,067	2,659,099
Manufacturing Industries													
with unfilled orders	173,452	172,312	171,665	+0.7	+0.4	0.0	187,489	171,965	151,210	180,615	+3.8	1,523,506	1,469,688
without defense capital goods	309,216	306,910	306,673	+0.8	+0.1	+1.3	329,138	309,430	274,624	313,404	+5.0	2,712,246	2,605,184
Durable goods industries	170,840	168,471	167,774	+1.4	+0.4	+0.5	183,337	166,500	140,540	173,496	+5.7	1,481,689	1,419,703
With unfilled orders	137,525	136,304	135,486	+0.9	+0.6	-0.1	149,210	134,496	116,777	142,051	+5.0	1,202,028	1,148,765
Stone, clay, and glass products	6,863	6,904	7,105	-0.6	-2.8	+2.9	7,476	7,475	6,976	6,942	+7.7	61,790	56,395
Primary metals	14,832	14,845	15,083	-0.1	-1.6	+3.0	15,285	14,886	13,548	15,753	-3.0	134,625	140,066
Blast furnaces, steel mills	6,209	6,166	6,257	+0.7	-1.5	+1.0	6,358	6,192	5,675	6,435	-1.2	55,714	57,302
Iron and steel foundries	1,455	1,434	1,540	+1.5	-6.9	+9.8	1,522	1,477	1,211	1,356	+12.2	12,647	11,665
Nonferrous and other primary metals	7,168	7,245	7,286	-1.1	-0.6	+3.4	7,405	7,217	6,662	7,962	-7.0	66,264	71,099
Fabricated metal products	17,869	17,812	17,543	+0.3	+1.5	+0.5	18,797	18,285	15,479	17,483	+7.5	156,258	149,038
Industrial machinery and equipment	32,483	32,037	31,657	+1.4	+1.2	-0.9	35,648	29,970	26,429	33,062	+7.8	283,374	260,910
Engines and turbines	1,672	1,634	1,745	+2.3	-6.4	-1.4	2,050	1,431	1,178	2,182	-6.0	14,993	15,643
Farm and garden machinery	2,019	1,952	1,918	+3.4	+1.8	+3.5	1,795	1,585	1,449	1,500	+19.7	17,550	16,323
Construction, mining and material handling equipment	3,672	3,608	3,596	+1.8	+0.3	+0.8	3,657	3,459	3,245	3,334	+9.7	32,263	29,648
Metalworking machinery	3,179	3,203	3,162	-0.7	+1.3	0.0	3,519	3,042	2,594	3,364	+4.6	27,467	26,228
Computer and office equipment	9,072	8,977	8,581	+1.1	+4.6	-0.8	11,449	7,999	6,345	10,250	+11.7	76,178	66,759
Electronic and other electrical equipment	27,165	26,637	26,582	+2.0	+0.2	-1.4	30,376	26,083	23,247	28,989	+4.8	236,236	218,195
Electrical transmission and distribution equipment and industrial apparatus	3,193	3,155	3,158	+1.2	-0.1	-0.3	3,600	3,114	2,804	3,536	+1.8	28,192	27,970
Household appliances	1,980	2,000	2,013	-1.0	-0.6	-2.1	2,113	2,102	1,888	2,164	-2.4	18,377	17,549
Electric lighting and wiring equipment	2,056	2,063	2,037	-0.3	+1.3	+0.7	2,227	2,044	1,693	2,141	+4.0	17,971	17,473
Household audio and video equipment	1,328	1,321	1,272	+0.5	+3.9	-2.8	1,635	1,414	1,123	1,455	+12.4	10,657	9,600
Communications equipment	6,301	6,027	6,116	+4.5	-1.5	-1.9	7,082	5,382	5,163	6,023	+17.6	51,278	44,224
Electronic components	10,326	10,046	9,969	+2.8	+0.8	-1.7	11,524	10,042	8,942	11,480	+0.4	92,287	84,580
Transportation equipment	40,949	39,771	39,268	+3.0	+1.3	+1.6	42,597	38,837	27,112	39,789	+7.1	342,269	336,852
Motor vehicles and parts	28,713	28,046	28,541	+2.4	-1.7	+4.6	29,439	27,540	17,799	27,650	+6.5	242,368	235,106
Aircraft, missiles, space vehicles, and parts	9,049	9,048	8,126	0.0	+11.3	-1.7	9,794	8,631	7,044	9,133	+7.2	73,826	75,404
Shipbuilding and tanks	871	754	836	+15.5	-9.8	-10.6	920	735	788	823	+11.8	7,495	7,586
Instruments and related products	12,500	12,643	12,775	-1.1	-1.0	+1.5	13,472	12,416	11,294	13,140	+2.5	111,466	107,347
Search and navigation equipment	2,416	2,536	2,543	-4.7	-0.3	+1.8	2,645	2,507	2,219	2,873	-7.9	22,383	22,910
Measuring and controlling devices	3,769	3,838	3,781	-1.8	+1.5	-0.9	4,048	3,801	3,215	4,074	-0.6	33,693	32,430
Medical instruments and supplies	4,121	4,030	4,013	+2.3	+0.4	+0.3	4,414	3,964	3,671	3,910	+12.9	35,449	32,971
Photographic goods	1,808	1,856	2,033	-2.6	-8.7	+6.6	1,956	1,756	1,796	1,923	+1.7	16,568	15,977
All other durable goods	18,179	17,822	17,761	+2.0	+0.3	0.0	19,686	18,548	16,455	18,338	+7.4	155,671	150,900
Nondurable goods industries	144,440	144,376	144,626	0.0	-0.2	+1.9	152,429	148,725	139,153	146,457	+4.1	1,283,378	1,239,396
With unfilled orders	35,927	36,008	36,179	-0.2	-0.5	+0.4	38,279	37,469	34,433	38,564	-0.7	321,478	320,923
Food and kindred products	38,714	39,046	39,142	-0.9	-0.2	+3.1	41,115	39,800	37,466	39,783	+3.3	343,751	325,789
Meat products	9,005	9,236	9,044	-2.5	+2.1	+1.0	9,482	9,523	8,838	9,545	-0.7	80,453	75,666
Dairy products	5,013	5,014	4,967	0.0	+0.9	+3.7	5,168	5,093	4,836	4,712	+9.7	43,280	40,557
Beverages	5,731	5,635	5,784	+1.7	-2.6	+3.8	5,897	6,138	6,085	5,532	+6.6	51,472	48,183
All other foods, except fats and oils	16,873	17,165	17,392	-1.7	-1.3	+3.8	18,476	17,050	15,752	18,295	+1.0	151,058	145,576
Tobacco products	2,809	2,868	2,866	-2.1	+0.1	+4.6	2,728	3,020	2,844	2,594	+5.2	24,672	23,677
Textile mill products	6,479	6,427	6,534	+0.8	-1.6	-2.6	7,221	6,849	5,801	7,280	-0.8	58,175	59,779
Broadwoven fabrics and other textiles	3,968	3,949	3,977	+0.5	-0.7	-2.3	4,401	4,169	3,387	4,448	-1.1	35,654	36,808
Paper and allied products	13,130	13,246	13,484	-0.9	-1.8	+1.2	13,550	13,577	13,146	14,941	-9.3	121,782	129,605
Pulp, paper, and paperboard mill products	5,230	5,291	5,372	-1.2	-1.5	-0.2	5,361	5,412	5,326	6,609	-18.9	49,177	57,490
Paperboard containers and boxes	3,433	3,387	3,406	+1.4	-0.6	+1.9	3,512	3,489	3,297	3,742	-6.1	31,418	33,173
Miscellaneous converted paper products	4,467	4,568	4,706	-2.2	-2.9	+2.2	4,677	4,676	4,523	4,590	+1.9	41,187	38,942
Chemicals and allied products	31,513	31,370	31,483	+0.5	-0.4	+2.4	32,750	31,371	30,021	30,937	+5.9	279,806	271,413
Industrial chemicals	15,516	15,537	15,403	-0.1	+0.9	+0.9	15,780	15,754	14,901	15,653	+0.8	139,237	142,833
Drugs, soaps, and toiletries	11,708	11,535	11,718	+1.5	-1.6	+3.2	13,253	11,689	10,979	11,834	+12.0	102,054	93,350
Petroleum and coal products	15,679	15,156	14,777	+3.5	+2.6	+1.4	16,258	15,902	15,367	13,039	+24.7	134,024	115,732
Rubber and plastics products	11,787	11,860	12,077	-0.6	-1.8	+1.6	12,264	12,160	11,022	12,523	-2.1	107,582	109,031
All other nondurable goods	24,329	24,403	24,263	-0.3	+0.6	+1.0	26,543	26,046	23,486	25,360	+4.7	213,586	204,370

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95	1996[p]	1995
All manufacturing industries	319,018	310,575	317,304	+2.7	-2.1	+1.7	334,633	311,139	286,015	317,481	+5.4	2,791,341	2,662,450
Manufacturing industries with unfilled orders	177,190	170,040	176,569	+4.2	-3.7	+0.9	186,356	167,879	157,532	178,143	+4.6	1,549,780	1,473,039
without defense capital goods	313,654	305,674	312,499	+2.6	-2.2	+2.8	329,053	307,310	282,813	310,404	+6.0	2,737,093	2,614,085
Durable goods industries	174,413	166,267	172,402	+4.9	-3.6	+1.4	182,703	162,706	146,314	172,768	+5.8	1,506,321	1,422,531
With unfilled orders	141,098	134,100	140,114	+5.2	-4.3	+1.0	148,576	130,702	122,551	141,323	+5.1	1,226,660	1,151,593
Stone, clay, and glass products	7,169	6,776	6,791	+5.8	-0.2	-0.2	7,657	7,417	6,909	6,767	+13.2	61,795	56,974
Primary metals	14,976	15,177	15,799	-1.3	-3.9	+1.6	14,407	14,773	13,876	14,863	-3.1	136,657	138,499
Blast furnaces, steel mills	6,280	6,244	6,552	+0.6	-4.7	+2.8	5,926	6,186	5,827	5,890	+0.6	56,375	57,662
Iron and steel foundries	1,527	1,526	1,581	+0.1	-3.5	-1.3	1,523	1,500	1,218	1,319	+15.5	13,366	11,592
Nonferrous and other primary metals	7,169	7,407	7,666	-3.2	-3.4	+1.2	6,958	7,087	6,831	7,654	-9.1	66,916	69,245
Fabricated metal products	18,206	17,915	17,724	+1.6	+1.1	+0.5	18,932	18,428	15,885	17,323	+9.3	158,013	149,899
Industrial machinery and equipment	32,191	32,354	32,591	-0.5	-0.7	+2.8	34,901	30,252	27,309	32,621	+7.0	284,463	265,051
Engines and turbines	1,673	1,618	1,962	+3.4	-17.5	+29.7	2,283	1,552	1,518	2,358	-3.2	14,702	15,533
Construction, mining and material handling equipment	3,835	3,705	3,607	+3.5	+2.7	-0.4	3,885	3,353	3,028	3,521	+10.3	32,775	30,506
Metalworking machinery	3,079	3,248	3,403	-5.2	-4.6	+10.1	3,419	3,087	2,835	3,226	+6.0	28,090	27,274
Computer and office equipment	8,780	9,014	9,039	-2.6	-0.3	+3.0	10,758	8,116	6,931	9,735	+10.5	76,228	66,895
Electronic and other electrical equipment	26,472	26,596	28,074	-0.5	-5.3	+4.9	28,064	25,815	26,181	27,674	+1.4	235,279	224,997
Electrical transmission and distribution equipment and industrial apparatus	3,173	3,079	3,462	+3.1	-11.1	+7.6	3,458	3,037	3,223	3,219	+7.4	28,342	27,934
Electric lighting and wiring equipment	2,067	2,127	2,202	-2.8	-3.4	+8.6	2,238	2,108	1,858	2,022	+10.7	18,431	17,698
Communications equipment	5,631	5,621	6,476	+0.2	-13.2	+12.5	6,421	4,950	5,489	7,175	-10.5	50,913	46,383
Electronic components	10,298	10,331	10,724	-0.3	-3.7	+2.7	10,092	10,037	11,044	9,694	+4.1	90,725	89,663
Transportation equipment	44,927	37,503	41,125	+19.8	-8.8	-1.5	46,009	35,843	28,370	43,121	+6.7	363,464	331,136
Aircraft, missiles, space vehicles, and parts	12,990	7,012	10,017	+85.3	-30.0	+1.5	13,317	5,828	8,182	12,383	+7.5	94,921	72,295
Shipbuilding and tanks	605	564	308	+7.3	+83.1	-85.5	610	495	192	702	-13.1	7,326	5,665
Instruments and related products	12,275	12,109	12,635	+1.4	-4.2	+4.0	13,291	11,696	11,125	12,581	+5.6	109,848	104,160
Search and navigation equipment	2,225	2,004	2,028	+11.0	-1.2	-6.0	2,515	1,838	1,546	2,457	+2.4	20,303	19,837
Measuring and controlling devices	3,403	3,713	3,869	-8.3	-4.0	+4.4	3,682	3,676	3,303	3,961	-7.0	33,131	33,102
Medical instruments and supplies	4,247	4,143	4,304	+2.5	-3.7	+8.5	4,467	4,051	4,082	3,864	+15.6	35,988	32,097
All other durable goods	18,197	17,837	17,663	+2.0	+1.0	+0.1	19,442	18,482	16,659	17,818	+9.1	156,802	151,815
Nondurable goods industries	144,605	144,308	144,902	+0.2	-0.4	+1.9	151,930	148,433	139,701	144,713	+5.0	1,285,020	1,239,919
With unfilled orders	36,092	35,940	36,455	+0.4	-1.4	+0.6	37,780	37,177	34,981	36,820	+2.6	323,120	321,446

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, hich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95
All manufacturing industries	505,571	501,833	504,105	+0.7	-0.5	+1.0	500,749	501,882	505,968	467,658	+7.1
Manufacturing industries without defense capital goods	399,326	394,888	396,124	+1.1	-0.3	+1.5	396,211	396,296	398,416	365,332	+8.5
Durable goods industries	481,394	477,821	480,025	+0.7	-0.5	+1.0	476,347	476,981	480,775	442,559	+7.6
Stone, clay, and glass products	6,645	6,339	6,467	+4.8	-2.0	-4.6	6,767	6,586	6,644	7,228	-6.4
Primary metals	31,867	31,723	31,391	+0.5	+1.1	+2.3	30,307	31,185	31,298	27,160	+11.6
Blast furnaces, steel mills	12,975	12,904	12,826	+0.6	+0.6	+2.4	12,339	12,771	12,777	11,019	+12.0
Iron and steel foundries	4,417	4,345	4,253	+1.7	+2.2	+1.0	4,289	4,288	4,265	3,610	+18.8
Nonferrous and other primary metals	14,475	14,474	14,312	0.0	+1.1	+2.7	13,679	14,126	14,256	12,531	+9.2
Fabricated metal products	22,912	22,575	22,472	+1.5	+0.5	+0.8	23,076	22,941	22,798	21,943	+5.2
Industrial machinery and equipment	72,740	73,032	72,715	-0.4	+0.4	+1.3	71,653	72,400	72,118	69,754	+2.7
Engines and turbines	10,963	10,962	10,978	0.0	-0.1	+2.0	11,144	10,911	10,790	11,014	+1.2
Construction, mining and material handling equipment	9,548	9,385	9,288	+1.7	+1.0	+0.1	9,195	8,967	9,073	8,043	+14.3
Metalworking machinery	9,090	9,190	9,145	-1.1	+0.5	+2.7	9,090	9,190	9,145	9,537	-4.7
Computer and office equipment	9,905	10,197	10,160	-2.9	+0.4	+4.7	9,826	10,517	10,400	10,164	-3.3
Electronic and other electrical equipment	49,070	49,763	49,804	-1.4	-0.1	+3.1	48,028	50,340	50,608	49,437	-2.9
Electrical transmission and distribution equipment and industrial apparatus	6,290	6,310	6,386	-0.3	-1.2	+5.0	6,211	6,353	6,430	6,095	+1.9
Electric lighting and wiring equipment	4,390	4,379	4,315	+0.3	+1.5	+4.0	4,390	4,379	4,315	3,950	+11.1
Communications equipment	14,150	14,820	15,226	-4.5	-2.7	+2.4	14,139	14,800	15,232	14,769	-4.3
Electronic components	20,156	20,184	19,899	-0.1	+1.4	+3.9	19,229	20,661	20,666	20,441	-5.9
Transportation equipment	243,820	239,842	242,110	+1.7	-0.9	+0.8	242,356	238,944	241,938	212,429	+14.1
Aircraft, missiles, space vehicles, and parts	213,529	209,588	211,624	+1.9	-1.0	+0.9	212,149	208,626	211,429	181,023	+17.2
Shipbuilding and tanks	16,844	17,110	17,300	-1.6	-1.1	-3.0	16,818	17,128	17,368	17,870	-5.9
Instruments and related products	46,936	47,161	47,695	-0.5	-1.1	-0.3	46,531	46,712	47,432	46,733	-0.4
Search and navigation equipment	28,029	28,220	28,752	-0.7	-1.9	-1.8	27,713	27,843	28,512	28,963	-4.3
Measuring and controlling devices	9,542	9,908	10,033	-3.7	-1.2	+0.9	9,542	9,908	10,033	9,920	-3.8
Medical instruments and supplies	8,179	8,053	7,940	+1.6	+1.4	+3.8	8,040	7,987	7,900	7,067	+13.8
All other durable goods	7,404	7,386	7,371	+0.2	+0.2	-1.3	7,629	7,873	7,939	7,875	-3.1
Nondurable goods industries	24,177	24,012	24,080	+0.7	-0.3	+1.2	24,402	24,901	25,193	25,099	-2.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95
All manufacturing industries	437,134	435,687	434,446	+0.3	+0.3	+0.1	436,368	438,946	436,123	429,504	+1.6
Manufacturing industries with unfilled orders	293,314	292,712	291,706	+0.2	+0.3	+0.2	292,814	296,632	294,500	287,915	+1.7
without defense capital goods	418,096	416,572	415,174	+0.4	+0.3	+0.2	417,043	419,354	416,422	408,999	+2.0
Durable goods industries	276,423	275,926	274,807	+0.2	+0.4	+0.4	275,527	278,690	276,168	267,567	+3.0
With unfilled orders	253,699	253,024	251,958	+0.3	+0.4	+0.3	253,187	256,158	253,971	245,979	+2.9
Stone, clay, and glass products	8,261	8,252	8,205	+0.1	+0.6	-0.8	8,105	8,255	8,311	8,504	-4.7
Primary metals	23,905	23,612	23,555	+1.2	+0.2	-0.7	23,867	23,685	23,715	23,716	+0.6
Blast furnaces, steel mills	11,932	11,715	11,564	+1.9	+1.3	-0.1	11,932	11,714	11,662	11,472	+4.0
Iron and steel foundries	1,475	1,453	1,456	+1.5	-0.2	+0.9	1,447	1,439	1,455	1,347	+7.4
Nonferrous and other primary metals	10,498	10,444	10,535	+0.5	-0.9	-1.7	10,488	10,532	10,598	10,897	-3.8
Fabricated metal products	26,194	26,133	26,008	+0.2	+0.5	+1.3	25,947	26,216	26,246	26,518	-2.2
Industrial machinery and equipment	58,737	59,201	59,222	-0.8	0.0	+0.8	58,084	59,940	59,222	56,799	+2.3
Engines and turbines	3,836	3,862	3,837	-0.7	+0.7	+1.3	3,922	4,102	3,908	4,079	-3.8
Farm and garden machinery	2,844	2,892	2,914	-1.7	-0.8	-0.5	2,668	2,691	2,662	2,603	+2.5
Construction, mining and material handling equipment	7,222	7,215	7,172	+0.1	+0.6	+0.3	7,157	7,158	7,088	7,029	+1.8
Metalworking machinery	7,020	7,123	7,087	-1.4	+0.5	+0.1	7,083	7,414	7,248	6,867	+3.1
Computer and office equipment	12,756	12,952	13,139	-1.5	-1.4	+1.1	12,322	13,451	13,350	12,448	-1.0
Electronic and other electrical equipment	41,091	41,062	40,954	+0.1	+0.3	-0.3	41,018	41,731	41,484	39,826	+3.0
Electrical transmission and distribution equipment and industrial apparatus	4,728	4,679	4,678	+1.0	0.0	-0.1	4,740	4,752	4,726	5,201	-8.9
Household appliances	2,803	2,753	2,691	+1.8	+2.3	+2.0	2,638	2,669	2,651	2,535	+4.1
Electric lighting and wiring equipment	3,282	3,314	3,324	-1.0	-0.3	+0.8	3,249	3,377	3,396	3,420	-5.0
Household audio and video equipment	1,516	1,538	1,560	-1.4	-1.4	-0.4	1,581	1,664	1,671	1,590	-0.6
Communications equipment	11,344	11,268	10,977	+0.7	+2.7	-0.1	11,301	11,431	10,965	10,314	+9.6
Electronic components	13,853	13,943	14,168	-0.6	-1.6	-1.1	13,908	14,167	14,411	13,254	+4.9
Transportation equipment	67,476	67,112	66,855	+0.5	+0.4	+0.7	67,758	67,947	67,092	63,710	+6.4
Motor vehicles and parts	15,792	15,812	15,869	-0.1	-0.4	+2.1	15,894	16,073	15,874	15,423	+3.1
Aircraft, missiles, space vehicles, and parts	46,497	46,095	45,897	+0.9	+0.4	+0.1	46,782	46,669	46,149	43,370	+7.9
Shipbuilding and tanks	1,941	1,859	1,802	+4.4	+3.2	-4.0	1,883	1,856	1,839	1,776	+6.0
Instruments and related products	25,016	25,049	24,922	-0.1	+0.5	+1.6	25,115	25,485	25,174	23,493	+6.9
Search and navigation equipment	6,727	6,719	6,691	+0.1	+0.4	+3.6	6,757	6,857	6,801	6,068	+11.4
Measuring and controlling devices	8,056	8,054	8,007	0.0	+0.6	+1.5	8,048	8,164	8,084	7,488	+7.5
Medical instruments and supplies	7,301	7,341	7,298	-0.5	+0.6	+0.3	7,294	7,464	7,330	6,859	+6.3
Photographic goods	2,289	2,293	2,298	-0.2	-0.2	+1.4	2,381	2,359	2,329	2,468	-3.5
All other durable goods	25,743	25,505	25,086	+0.9	+1.7	-0.4	25,633	25,431	24,924	25,001	+2.5
Nondurable goods industries	160,711	159,761	159,639	+0.6	+0.1	-0.4	160,841	160,256	159,955	161,937	-0.7
With unfilled orders	39,615	39,688	39,748	-0.2	-0.2	-0.7	39,627	40,474	40,529	41,936	-5.5
Food and kindred products	33,480	33,171	33,185	+0.9	0.0	-0.3	34,128	32,933	32,196	33,559	+1.7
Meat products	4,029	3,995	4,008	+0.9	-0.3	-0.9	4,029	3,920	4,011	3,829	+5.2
Dairy products	3,100	2,983	2,921	+3.9	+2.1	+5.1	3,103	3,042	3,053	2,558	+21.3
Beverages	6,316	6,266	6,197	+0.8	+1.1	-0.2	6,379	6,142	6,093	6,252	+2.0
All other foods, except fats and oils	17,999	17,683	17,851	+1.8	-0.9	-1.1	18,935	17,859	16,964	19,340	-2.1
Tobacco products	5,679	5,630	5,524	+0.9	+1.9	-1.1	5,696	5,399	5,123	5,702	-0.1
Textile mill products	10,043	10,071	10,007	-0.3	+0.6	0.0	9,843	10,147	10,151	10,092	-2.5
Broadwoven fabrics and other textiles	5,974	6,007	5,972	-0.5	+0.6	-0.3	5,837	6,040	6,045	6,042	-3.4
Paper and allied products	16,766	16,781	16,726	-0.1	+0.3	-0.1	16,564	16,782	16,710	17,059	-2.9
Pulp, paper, and paperboard mill products	7,014	7,059	7,044	-0.6	+0.2	+0.5	6,923	7,046	6,966	6,690	+3.5
Paperboard containers and boxes	4,013	3,985	3,974	+0.7	+0.3	-2.1	4,017	3,985	4,011	4,760	-15.6
Miscellaneous converted paper products	5,739	5,737	5,708	0.0	+0.5	+0.5	5,624	5,751	5,733	5,609	+0.3
Chemicals and allied products	39,216	38,991	38,877	+0.6	+0.3	-0.5	38,846	38,948	38,909	38,697	+0.4
Industrial chemicals	18,955	18,810	18,686	+0.8	+0.7	-0.4	18,841	18,765	18,701	19,182	-1.8
Drugs, soaps, and toiletries	15,255	15,164	15,178	+0.6	-0.1	-0.7	15,286	15,469	15,432	15,024	+1.7
Petroleum and coal products	12,541	12,330	12,327	+1.7	0.0	+0.3	12,737	12,494	12,628	11,673	+9.1
Rubber and plastics products	15,531	15,352	15,277	+1.2	+0.5	+0.2	15,220	15,119	15,279	15,043	+1.2
All other nondurable goods	27,455	27,435	27,716	+0.1	-1.0	-1.0	27,807	28,434	28,959	30,112	-7.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95	1996[p]	1995
SHIPMENTS													
All manufacturing industries	315,280	312,847	312,400	+0.8	+0.1	+1.1	335,766	315,225	279,693	319,953	+4.9	2,765,067	2,659,099
Market categories :													
Automotive equipment	14,774	14,211	14,365	+4.0	-1.1	+3.4	15,281	13,922	9,169	14,061	+8.7	123,769	118,671
Home goods and apparel	18,678	18,583	18,587	+0.5	0.0	-0.4	21,225	19,935	17,189	20,119	+5.5	164,375	157,753
Consumer staples	66,313	66,300	66,250	0.0	+0.1	+2.7	70,792	68,117	64,210	65,687	+7.8	583,213	542,246
Machinery and equipment	57,579	56,255	55,442	+2.4	+1.5	-0.2	62,417	53,429	45,134	57,171	+9.2	489,337	457,595
Business supplies	25,042	24,880	24,929	+0.7	-0.2	+1.2	25,940	25,102	23,635	24,204	+7.2	219,901	206,098
Construction materials and supplies	19,586	19,619	19,774	-0.2	-0.8	+3.0	21,007	20,769	18,898	20,173	+4.1	171,979	168,616
Defense products	6,374	6,282	6,077	+1.5	+3.4	-7.0	6,961	6,188	5,451	6,946	+0.2	56,057	57,500
Other materials, supplies and and intermediate products	106,934	106,717	106,976	+0.2	-0.2	+1.0	112,143	107,763	96,007	111,592	+0.5	956,436	950,620
Durable goods industries :													
Nondefense capital goods [3]	44,068	43,304	42,309	+1.8	+2.4	-1.6	49,152	40,612	35,777	45,786	+7.4	376,642	353,644
Excluding aircraft and parts	38,444	37,564	37,158	+2.3	+1.1	-2.3	43,106	35,243	31,404	40,186	+7.3	331,129	307,253
Defense capital goods [4]	6,064	5,937	5,727	+2.1	+3.7	-7.7	6,628	5,795	5,069	6,549	+1.2	52,821	53,915
Durables excluding capital goods	120,708	119,230	119,738	+1.2	-0.4	+1.7	127,557	120,093	99,694	121,161	+5.3	1,052,226	1,012,144
Miscellaneous series :													
Producers' durable equipment	110,712	108,836	108,058	+1.7	+0.7	+0.5	118,824	105,720	85,813	110,290	+7.7	950,619	899,222
Household durable goods	9,326	9,188	9,171	+1.5	+0.2	-1.4	10,695	9,480	7,919	9,665	+10.7	80,548	73,272
Information technology industries	21,524	21,331	21,107	+0.9	+1.1	-0.2	25,162	19,619	17,043	22,996	+9.4	182,839	164,868
Health care equipment and products	10,488	10,306	10,387	+1.8	-0.8	+2.0	11,608	10,326	9,632	10,345	+12.2	90,987	83,846
NEW ORDERS													
All manufacturing industries	319,018	310,575	317,304	+2.7	-2.1	+1.7	334,633	311,139	286,015	317,481	+5.4	2,791,341	2,662,450
Market categories :													
Automotive equipment	14,781	14,228	14,399	+3.9	-1.2	+3.7	15,254	13,966	9,257	14,012	+8.9	123,801	118,575
Home goods and apparel	19,092	18,622	18,302	+2.5	+1.7	-1.0	21,232	19,807	17,151	19,275	+10.2	166,463	159,953
Consumer staples	66,221	66,216	66,488	0.0	-0.4	+3.0	70,568	68,108	64,630	65,479	+7.8	583,510	542,447
Machinery and equipment	60,686	54,537	58,529	+11.3	-6.8	+4.9	64,592	51,489	48,242	60,294	+7.1	507,921	460,381
Business supplies	25,020	24,801	25,061	+0.9	-1.0	+1.4	25,773	25,097	23,837	23,866	+8.0	220,235	206,477
Construction materials and supplies	19,867	19,638	19,826	+1.2	-0.9	+3.2	21,115	20,749	19,058	19,794	+6.7	172,739	168,978
Defense products	5,505	5,267	5,085	+4.5	+3.6	-39.0	5,718	4,279	3,518	7,641	-25.2	57,084	52,644
Other materials, supplies and and intermediate products	107,846	107,266	109,614	+0.5	-2.1	+2.3	110,381	107,644	100,322	107,120	+3.0	959,588	952,995
Durable goods industries :													
Nondefense capital goods [3]	47,580	41,172	45,935	+15.6	-10.4	+7.0	51,910	38,447	39,401	48,666	+6.7	395,437	356,940
Excluding aircraft and parts	37,769	36,847	38,759	+2.5	-4.9	+3.7	41,677	34,493	33,003	40,371	+3.2	332,064	312,470
Defense capital goods [4]	5,364	4,901	4,805	+9.4	+2.0	-40.7	5,580	3,829	3,202	7,077	-21.2	54,248	48,365
Durables excluding capital goods	121,469	120,194	121,662	+1.1	-1.2	+2.3	125,213	120,430	103,711	117,025	+7.0	1,056,636	1,017,226
Miscellaneous series :													
Producers' durable equipment	113,567	107,446	111,377	+5.7	-3.5	+3.4	120,228	104,394	90,001	112,905	+6.5	969,370	904,369
Household durable goods	9,567	9,166	8,958	+4.4	+2.3	-2.5	10,743	9,457	7,975	9,387	+14.4	81,660	74,300
Information technology industries	20,147	20,497	21,800	-1.7	-6.0	+6.7	23,391	18,870	17,874	22,998	+1.7	181,120	166,578
Health care equipment and products	10,614	10,420	10,679	+1.9	-2.4	+5.2	11,661	10,414	10,044	10,297	+13.2	91,530	82,970

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95
UNFILLED ORDERS											
All manufacturing industries	505,571	501,833	504,105	+0.7	-0.5	+1.0	500,749	501,882	505,968	467,658	+7.1
Market categories :											
Automotive equipment	1,959	1,952	1,936	+0.4	+0.8	+1.8	1,950	1,977	1,934	2,068	-5.7
Home goods and apparel	9,401	8,987	8,948	+4.6	+0.4	-3.1	9,698	9,691	9,819	9,388	+3.3
Consumer staples	2,034	2,126	2,210	-4.3	-3.8	+12.1	2,122	2,347	2,356	1,878	+13.0
Machinery and equipment	228,725	225,618	227,336	+1.4	-0.8	+1.4	227,446	225,270	227,209	198,870	+14.4
Business supplies	6,519	6,541	6,620	-0.3	-1.2	+2.1	6,571	6,738	6,742	6,470	+1.6
Construction materials and supplies	16,046	15,764	15,745	+1.8	+0.1	+0.3	16,037	15,929	15,949	15,774	+1.7
Defense products	101,112	101,980	102,995	-0.9	-1.0	-1.0	99,397	100,641	102,550	97,283	+2.2
Other materials, supplies and and intermediate products	139,775	138,865	138,315	+0.7	+0.4	+1.9	137,528	139,289	139,409	135,927	+1.2
urable goods industries :											
Nondefense capital goods [3]	247,131	243,619	245,751	+1.4	-0.9	+1.5	245,969	243,211	245,376	217,964	+12.8
Excluding aircraft and parts	97,421	98,096	98,813	-0.7	-0.7	+1.6	96,259	97,688	98,438	94,877	+1.5
Defense capital goods [4]	106,245	106,945	107,981	-0.7	-1.0	-0.8	104,538	105,586	107,552	102,326	+2.2
Durables excluding capital goods	128,018	127,257	126,293	+0.6	+0.8	+1.5	125,840	128,184	127,847	122,269	+2.9
iscellaneous series :											
Producers' durable equipment	262,063	259,208	260,598	+1.1	-0.5	+1.3	261,095	259,691	261,017	233,054	+12.0
Household durable goods	5,881	5,640	5,662	+4.3	-0.4	-3.6	6,086	6,038	6,061	6,089	0.0
Information technology industries	36,585	37,962	38,796	-3.6	-2.1	+1.8	36,524	38,295	39,044	38,329	-4.7
Health care equipment and products	8,208	8,082	7,968	+1.6	+1.4	+3.8	8,070	8,018	7,930	7,096	+13.7
TOTAL INVENTORIES											
ll manufacturing industries	437,134	435,687	434,446	+0.3	+0.3	+0.1	436,368	438,946	436,123	429,504	+1.6
rket categories :											
Automotive equipment	8,217	8,257	8,258	-0.5	0.0	+3.0	8,176	8,356	8,177	7,536	+8.5
Home goods and apparel	32,182	31,941	31,679	+0.8	+0.8	-0.5	32,001	32,502	32,533	32,221	-0.7
Consumer staples	64,701	64,068	64,038	+1.0	0.0	-0.5	65,615	64,235	63,337	64,480	+1.8
Machinery and equipment	111,434	111,479	110,725	0.0	+0.7	+0.9	110,821	112,793	110,724	103,242	+7.3
Business supplies	26,009	25,849	25,867	+0.6	-0.1	-0.3	26,144	26,276	26,294	26,741	-2.2
Construction materials and supplies	25,940	25,890	25,803	+0.2	+0.3	+0.1	25,676	25,844	25,920	26,214	-2.1
Defense products	18,772	18,830	18,958	-0.3	-0.7	-0.6	19,015	19,255	19,339	20,152	-5.6
Other materials, supplies and and intermediate products	149,879	149,373	149,118	+0.3	+0.2	0.0	148,920	149,685	149,799	148,918	0.0
rable goods industries :											
Nondefense capital goods [3]	105,476	105,350	104,533	+0.1	+0.8	+0.8	104,893	106,756	104,847	98,032	+7.0
Excluding aircraft and parts	71,348	71,735	71,505	-0.5	+0.3	+0.8	70,725	72,881	71,901	68,997	+2.5
Defense capital goods [4]	19,038	19,115	19,272	-0.4	-0.8	-0.4	19,325	19,592	19,701	20,505	-5.8
Durables excluding capital goods	151,909	151,461	151,002	+0.3	+0.3	+0.3	151,309	152,342	151,620	149,030	+1.5
scellaneous series :											
Producers' durable equipment	178,435	178,125	176,928	+0.2	+0.7	+0.9	177,578	180,031	177,363	169,704	+4.6
Household durable goods	15,530	15,297	14,910	+1.5	+2.6	-1.3	15,419	15,550	15,142	14,742	+4.6
nformation technology industries	36,598	36,721	36,697	-0.3	+0.1	+0.9	36,185	37,563	37,036	34,662	+4.4
Health care equipment and products	15,596	15,587	15,552	+0.1	+0.2	-0.3	15,604	15,870	15,720	15,033	+3.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1996[p]	Aug. 1996[r]	July 1996	Aug.-Sept.	July-Aug.	June-July	Sept. 1996[p]	Aug. 1996[r]	July 1996	Sept. 1995	Sept. 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	143,810	143,378	143,813	+0.3	-0.3	+0.4	143,663	143,997	143,855	144,878	-0.8
Durable goods industries	83,513	83,250	83,567	+0.3	-0.4	+0.9	83,739	84,152	83,594	82,839	+1.1
Stone, clay, and glass products	2,775	2,790	2,772	-0.5	+0.6	+0.6	2,786	2,833	2,778	2,860	-2.6
Primary metals	7,791	7,555	7,543	+3.1	+0.2	+0.2	7,859	7,610	7,542	7,647	+2.8
Fabricated metal products	9,669	9,671	9,622	0.0	+0.5	+1.5	9,648	9,705	9,644	9,559	+0.9
Industrial machinery and equipment	17,833	18,021	18,027	-1.0	0.0	+1.9	17,734	18,413	17,932	17,474	+1.5
Electronic and other electrical equipment	14,333	14,400	14,602	-0.5	-1.4	-1.3	14,470	14,662	14,795	15,256	-5.2
Transportation equipment	12,726	12,627	12,917	+0.8	-2.2	+3.4	12,672	12,693	12,914	12,019	+5.4
Instruments and related products	7,910	7,810	7,772	+1.3	+0.5	+0.9	7,933	7,871	7,825	7,302	+8.6
Lumber, furniture and miscellaneous durable goods	10,476	10,376	10,312	+1.0	+0.6	-0.6	10,637	10,365	10,164	10,722	-0.8
Nondurable goods industries	60,297	60,128	60,246	+0.3	-0.2	-0.2	59,924	59,845	60,261	62,039	-3.4
Food and kindred products	11,585	11,603	11,681	-0.2	-0.7	+1.5	11,242	11,167	11,320	11,214	+0.2
Tobacco products	4,711	4,700	4,612	+0.2	+1.9	-0.5	4,622	4,566	4,373	4,512	+2.4
Textile mill products	2,941	2,948	2,925	-0.2	+0.8	+0.1	2,878	2,956	2,988	2,966	-3.0
Paper and allied products	7,792	7,840	7,850	-0.6	-0.1	-0.5	7,826	7,855	7,802	8,792	-11.0
Chemicals and allied products	13,064	12,847	12,846	+1.7	0.0	-1.2	13,013	12,818	12,958	12,812	+1.6
Petroleum and coal products	4,311	4,210	4,170	+2.4	+1.0	+0.1	4,346	4,287	4,280	4,035	+7.7
Rubber and plastics products	5,890	5,837	5,834	+0.9	+0.1	+0.2	5,864	5,776	5,908	6,073	-3.4
Apparel, printing and publishing and leather goods	10,003	10,143	10,328	-1.4	-1.8	-0.9	10,133	10,420	10,632	11,635	-12.9
WORK IN PROCESS											
All manufacturing industries	144,996	144,967	144,197	0.0	+0.5	0.0	146,002	146,832	145,188	140,781	+3.7
Durable goods industries	118,904	118,867	118,383	0.0	+0.4	+0.1	119,456	120,658	119,327	114,615	+4.2
Stone, clay, and glass products	1,213	1,205	1,197	+0.7	+0.7	-2.5	1,187	1,209	1,238	1,252	-5.2
Primary metals	8,957	8,915	8,989	+0.5	-0.8	-1.2	8,982	8,980	9,130	8,951	+0.3
Fabricated metal products	7,390	7,374	7,341	+0.2	+0.4	+0.2	7,419	7,489	7,373	7,955	-6.7
Industrial machinery and equipment	23,274	23,645	23,983	-1.6	-1.4	-0.2	23,470	24,136	24,169	23,637	-0.7
Electronic and other electrical equipment	15,631	15,604	15,335	+0.2	+1.8	-0.1	15,515	15,732	15,460	13,800	+12.4
Transportation equipment	46,654	46,282	45,836	+0.8	+1.0	+0.3	47,065	46,942	46,054	44,114	+6.7
Instruments and related products	11,130	11,222	11,131	-0.8	+0.8	+2.3	11,152	11,490	11,307	10,250	+8.8
Lumber, furniture and miscellaneous durable goods	4,655	4,620	4,571	+0.8	+1.1	-0.3	4,666	4,680	4,596	4,656	+0.2
Nondurable goods industries	26,092	26,100	25,814	0.0	+1.1	-0.4	26,546	26,174	25,861	26,166	+1.5
Food and kindred products	4,650	4,626	4,334	+0.5	+6.7	-3.4	4,809	4,276	4,031	4,541	+5.9
Tobacco products	237	268	278	-11.6	-3.6	+1.1	290	244	211	408	-28.9
Textile mill products	2,723	2,735	2,733	-0.4	+0.1	-1.5	2,741	2,756	2,756	2,882	-4.9
Paper and allied products	1,785	1,774	1,772	+0.6	+0.1	+0.1	1,762	1,804	1,818	1,655	+6.5
Chemicals and allied products	6,770	6,840	6,815	-1.0	+0.4	-0.6	6,798	6,927	6,895	6,574	+3.4
Petroleum and coal products	2,497	2,491	2,482	+0.2	+0.4	+3.3	2,555	2,571	2,530	2,374	+7.6
Rubber and plastics products	2,113	2,061	2,035	+2.5	+1.3	+0.3	2,093	2,033	2,002	1,998	+4.8
Apparel, printing and publishing and leather goods	5,317	5,305	5,365	+0.2	-1.1	+0.5	5,498	5,563	5,618	5,734	-4.1
FINISHED GOODS											
All manufacturing industries	148,328	147,342	146,436	+0.7	+0.6	-0.1	146,703	148,117	147,080	143,845	+2.0
Durable goods industries	74,006	73,809	72,857	+0.3	+1.3	+0.3	72,332	73,880	73,247	70,113	+3.2
Stone, clay, and glass products	4,273	4,257	4,236	+0.4	+0.5	-1.3	4,132	4,213	4,295	4,392	-5.9
Primary metals	7,157	7,142	7,023	+0.2	+1.7	-1.1	7,026	7,095	7,043	7,118	-1.3
Fabricated metal products	9,135	9,088	9,045	+0.5	+0.5	+2.0	8,880	9,022	9,229	9,004	-1.4
Industrial machinery and equipment	17,630	17,535	17,212	+0.5	+1.9	+1.0	16,880	17,391	17,121	15,688	+7.6
Electronic and other electrical equipment	11,127	11,058	11,017	+0.6	+0.4	+0.6	11,033	11,337	11,229	10,770	+2.4
Transportation equipment	8,096	8,203	8,102	-1.3	+1.2	-1.2	8,021	8,312	8,124	7,577	+5.9
Instruments and related products	5,976	6,017	6,019	-0.7	0.0	+1.4	6,030	6,124	6,042	5,941	+1.5
Lumber, furniture and miscellaneous durable goods	10,612	10,509	10,203	+1.0	+3.0	-0.3	10,330	10,386	10,164	9,623	+7.3
Nondurable goods industries	74,322	73,533	73,579	+1.1	-0.1	-0.5	74,371	74,237	73,833	73,732	+0.9
Food and kindred products	17,245	16,942	17,170	+1.8	-1.3	-0.6	18,077	17,490	16,845	17,804	+1.5
Tobacco products	731	662	634	+10.4	+4.4	-6.5	784	589	539	782	+0.3
Textile mill products	4,379	4,388	4,349	-0.2	+0.9	+0.9	4,224	4,435	4,407	4,244	-0.5
Paper and allied products	7,189	7,167	7,104	+0.3	+0.9	+0.3	6,976	7,123	7,090	6,612	+5.5
Chemicals and allied products	19,382	19,304	19,216	+0.4	+0.5	-0.1	19,035	19,203	19,056	19,311	-1.4
Petroleum and coal products	5,733	5,629	5,675	+1.8	-0.8	-0.8	5,836	5,636	5,818	5,264	+10.9
Rubber and plastics products	7,528	7,454	7,408	+1.0	+0.6	+0.3	7,263	7,310	7,369	6,972	+4.2
Apparel, printing and publishing and leather goods	12,135	11,987	12,023	+1.2	-0.3	-1.7	12,176	12,451	12,709	12,743	-4.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1996[p]	Aug. 1996[r]	July 1996	June 1996	Sept. 1996[p]	Aug. 1996[r]	July 1996	June 1996
All manufacturing industries	1.39	1.39	1.39	1.40	2.91	2.91	2.94	2.91
Durable goods industries	1.62	1.64	1.64	1.64	3.50	3.51	3.54	3.51
Stone, clay, and glass products	1.20	1.20	1.15	1.20	1.02	0.97	0.96	1.04
Primary metals	1.61	1.59	1.56	1.62	2.15	2.14	2.08	2.09
Fabricated metal products	1.47	1.47	1.48	1.47	1.38	1.36	1.37	1.37
Industrial machinery and equipment	1.81	1.85	1.87	1.84	2.39	2.43	2.45	2.38
Electronic and other electrical equipment	1.51	1.54	1.54	1.52	1.81	1.87	1.87	1.79
Transportation equipment	1.65	1.69	1.70	1.72	12.19	12.11	12.67	12.42
Instruments and related products	2.00	1.98	1.95	1.95	3.75	3.73	3.73	3.80
Nondurable goods industries	1.11	1.11	1.10	1.13	0.67	0.67	0.67	0.66
Food and kindred products	0.86	0.85	0.85	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.02	1.96	1.93	2.04	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.57	1.53	1.49	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.28	1.27	1.24	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.24	1.24	1.23	1.27	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.81	0.83	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.29	1.26	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1996	Sept.[2] 1991-1995	Sept. 1995-Aug. 1996	Sept.[1] 1996	Sept.[2] 1991-1995	Sept. 1995-Aug. 1996	Sept.[1] 1996	Sept.[2] 1991-1995	Sept. 1995-Aug. 1996	Sept.[1] 1996	Sept.[2] 1991-1995	Sept. 1995-Aug. 1996
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.1	0.2	0.3	0.4	0.4	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.9	0.6	(X)	1.0	0.9	(X)	0.2	0.7	(X)	0.1	0.1
Primary metals	0.1	0.2	0.4	0.4	0.6	0.7	0.2	0.4	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.4	0.4	(X)	0.6	0.5	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.5	0.6	0.4	0.5	0.6	0.1	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.3	0.4	0.3	-2.4	1.5	0.5	-1.5	0.5	0.3	(X)	0.3	0.2
Transportation equipment	0.0	0.5	0.6	2.3	0.9	1.2	0.4	0.1	0.2	(X)	0.2	0.3
Instruments and related products	(X)	0.3	0.5	(X)	0.9	0.8	(X)	0.1	0.2	(X)	0.4	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.4	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Tobacco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense	0.2	0.4	0.5	1.5	1.0	0.6	0.2	0.1	0.1	(X)	0.1	0.3
Defense	0.5	0.7	0.9	1.5	2.9	5.7	0.0	0.1	0.3	(X)	0.2	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

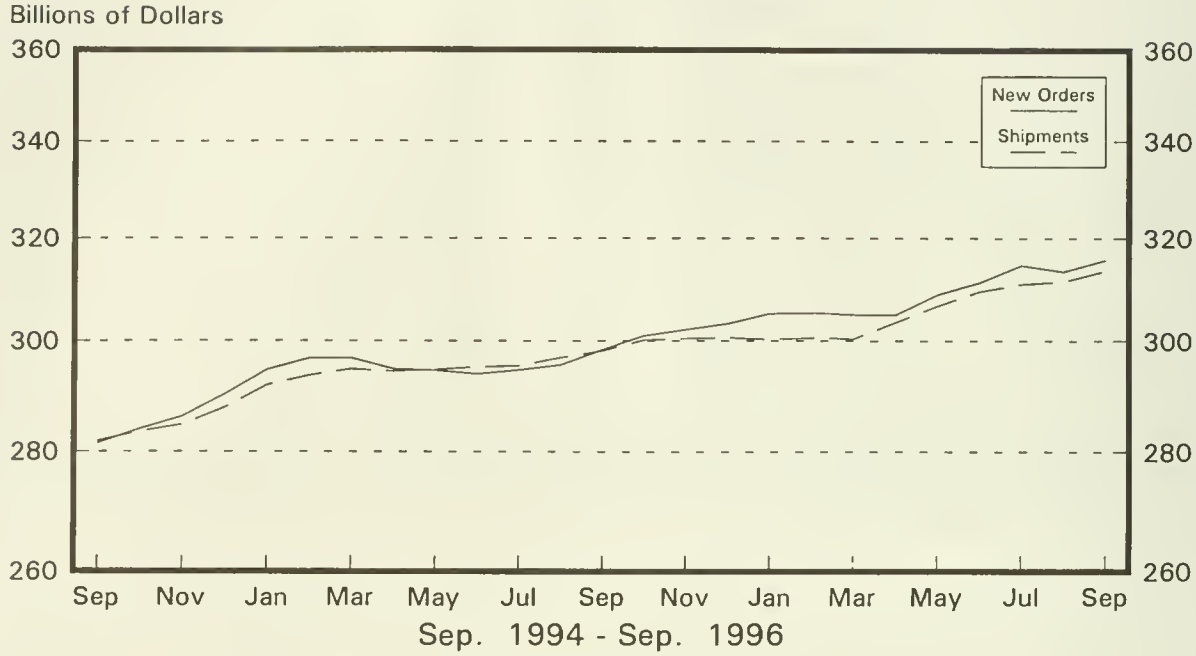
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

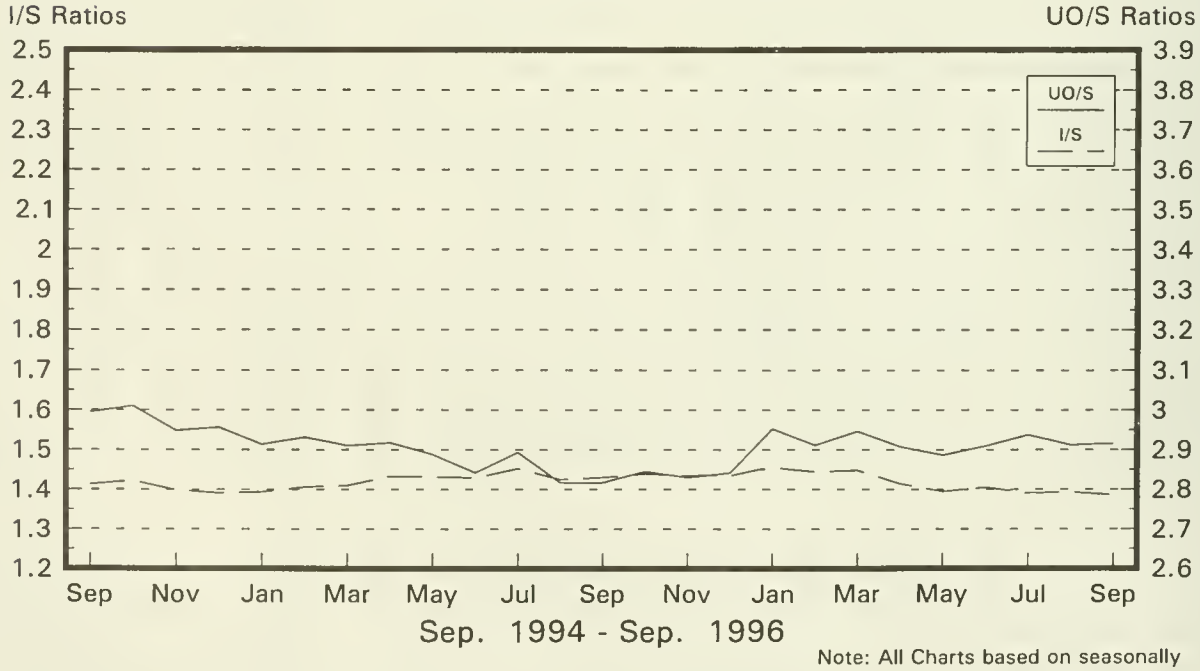
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

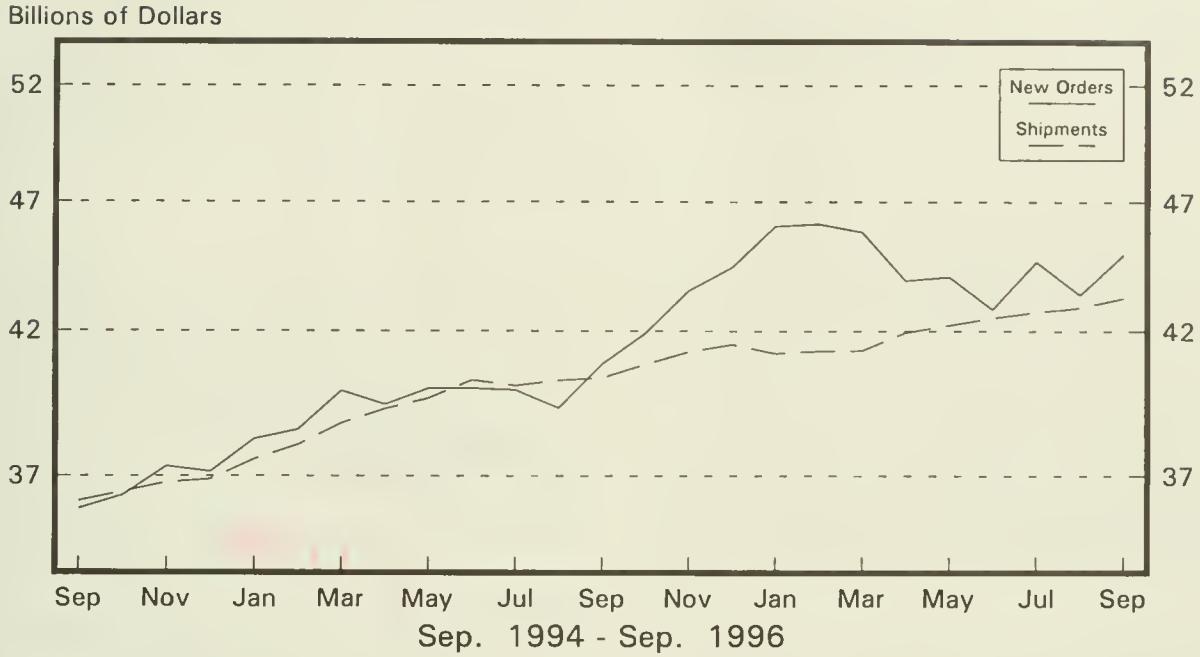
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

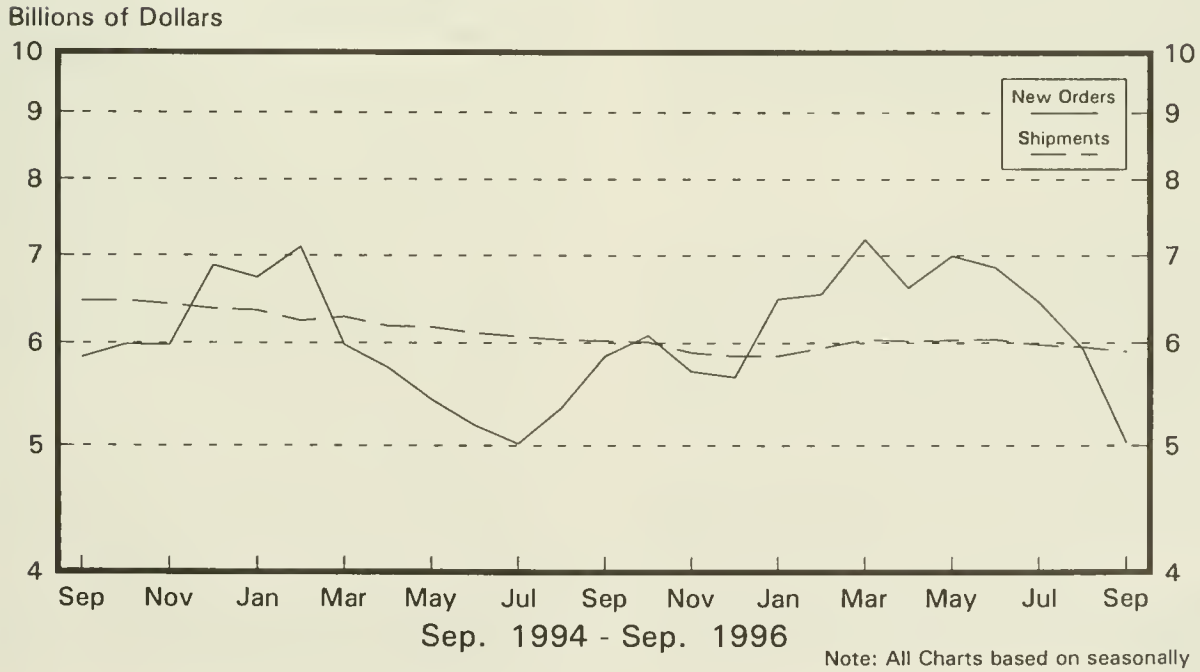
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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October 1996
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For Wire Transmissions 10:00 a.m. E.S.T. December 6, 1996

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For Questions - Kathy Menth or Gloria Cable
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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October increased $2.8 billion or 0.9 percent to $321.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.6 percent September increase and is the seventh increase this year. Excluding transportation, new orders increased 2.3 percent, following a 0.3 percent September increase. Year to date, new orders are 5.0 percent above the same period a year ago.

Shipments, up for the fourth consecutive month, increased $0.3 billion or 0.1 percent to $315.4 billion, following a 0.7 percent September increase. Year to date, shipments are 4.1 percent above the same period a year ago.

Unfilled orders, up five of the last six months, increased $5.9 billion or 1.2 percent to $511.1 billion, following a 0.7 percent September increase. The unfilled orders-to-shipments ratio was 2.97, up from 2.91 in September.

Inventories, up for the fourth consecutive month, increased $1.2 billion or 0.3 percent to $437.9 billion, following a 0.2 percent September increase. The inventories-to-shipments ratio was 1.39, unchanged from September.

New Orders

New orders for manufactured durable goods in October increased $0.5 billion or 0.3 percent to $174.4 billion, revised from the previously published 0.1 percent increase. This follows a 4.5 percent September increase and is the third increase in the last four months.

Electronic and other electrical equipment, up four of the last five months, had the largest increase, $4.6 billion or 17.2 percent to $31.2 billion, mostly due to electronic components and communication equipment. This follows a 0.2 percent September increase. Instruments and related products, up for the first month since July, increased $0.3 billion or 2.3 percent to $12.3 billion, following a 0.7 percent September decline. Transportation equipment decreased $3.4 billion or 7.7 percent to $41.2 billion, with all component industries declining. This follows a 19.0 percent September increase and is the fourth decrease in the last five months. Industrial machinery and equipment, down for the third consecutive month, decreased $0.5 billion or 1.4 percent to $31.8 billion. This follows a 0.2 percent September decrease. Fabricated metal products, down for the first month since June, decreased $0.3 billion or 1.9 percent to $17.9 billion. Primary metals, down for the third consecutive month, decreased $0.1 billion or 0.6 percent to $14.5 billion, following a 3.7 percent September decline.

New orders for nondurable goods, up for the seventh month this year, increased $2.2 billion or 1.5 percent to $146.9 billion, following a 0.3 percent September increase. Petroleum and coal products, chemicals and allied products, and food and kindred products had the largest increases.

Shipments

Shipments of durable goods in October, down for the first month since June, decreased $1.9 billion or 1.1 percent to $168.8 billion, revised from the previously published 1.2 percent decline. This follows a 1.3 percent September increase.

Transportation equipment, down for the first month since June, had the largest decrease, $1.9 billion or 4.8 percent to $38.9 billion; led by motor vehicles and parts, all component industries declined. This follows a 2.6 percent September increase. Industrial machinery and equipment, down for the first month since July, decreased $0.5 billion or 1.6 percent to $32.0 billion, following a 1.5 percent September increase. Fabricated metal products declined $0.1 billion or 0.8 percent to $17.6 billion, following a 0.1 percent September decline. Electronic and other electrical equipment increased $0.3 billion or 1.2 percent to $27.5 billion, the fifth increase in the last six months. Stone, clay, and glass products, up for the first month since July, increased $0.3 billion or 3.8 percent to $7.2 billion. Primary metals increased $0.2 billion or 1.3 percent to $15.0 billion, following a 0.5 percent September decrease.

Shipments of nondurable goods, up for the eighth month this year, increased $2.1 billion or 1.5 percent to $146.6 billion, following a 0.1 percent September increase. Petroleum and coal products, up for the fourth consecutive month, increased $1.0 billion or 6.2 percent to $16.8 billion, following a 4.3 percent September increase. Chemicals and allied products increased $0.7 billion or 2.1 percent to $32.2 billion. This follows a 0.4 percent September increase. Food and kindred products increased $0.6 billion or 1.6 percent to $39.2 billion, following a 1.1 percent September decline.

Unfilled Orders

Unfilled orders for durable goods in October increased $5.5 billion or 1.1 percent to $486.5 billion, unrevised from the previously published 1.1 percent increase. This follows a 0.7 percent September increase and is the fifth increase in the last six months.

Electronic and other electrical equipment had the largest increase, $3.7 billion or 7.5 percent to $52.9 billion, following a 1.1 percent September decline. Transportation equipment, up five of the last six months, increased $2.3 billion or 0.9 percent to $246.0 billion; a large increase in aircraft and parts more than offset declines in the remaining segments. This follows a 1.6 percent September increase. Fabricated metal products, up for the ninth consecutive month, increased $0.2 billion or 0.9 percent to $23.2 billion. Primary metals decreased $0.4 billion or 1.4 percent to $31.1 billion, following a 0.5 percent September decrease. Instruments and related products, down for the sixth consecutive month, decreased $0.3 billion or 0.7 percent to $46.3 billion. Industrial machinery and equipment decreased $0.2 billion or 0.2 percent to $72.7 billion, following a 0.3 percent September decrease.

Inventories

Inventories of durable goods in October increased $0.7 billion or 0.2 percent to $277.0 billion, the fourth consecutive monthly increase. Instruments and related products, up for the fourth consecutive month, increased $0.3 billion or 1.3 percent to $25.4 billion. Transportation equipment, up nine of the last ten months, increased $0.3 billion or 0.5 percent to $67.8 billion. This follows a 0.6 percent September increase. Electronic and other electrical equipment, up for the third consecutive month, increased $0.1 billion or 0.2 percent to $41.2 billion. Primary metals, down for the first month since July, decreased $0.1 billion or 0.4 percent to $23.8 billion, following a 1.0 percent September increase.

Inventories of nondurable goods, up for the third consecutive month, increased $0.5 billion or 0.3 percent to $160.9 billion, following a 0.4 percent September increase. The largest increases were in printing, publishing, and allied industries; tobacco products; and chemicals and allied products.

By stage of fabrication, October finished goods increased 0.8 percent in durables and decreased 0.1 percent in nondurables. Work in process increased 0.6 percent in durables and 0.4 percent in nondurables. Materials and supplies decreased 0.8 percent in durables and increased 0.8 percent in nondurables.

Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for November is scheduled for December 27, 1996 at 8:30 a.m. and the full report on January 7, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Oct. 1995	Oct. 96/95	1996[p]	1995
All manufacturing industries	315,417	315,160	312,847	+0.1	+0.7	+0.1	323,892	335,330	315,225	308,358	+5.0	3,088,523	2,967,457
Manufacturing Industries													
with unfilled orders	172,332	173,404	172,312	-0.6	+0.6	+0.4	175,614	187,408	171,965	170,336	+3.1	1,699,039	1,640,024
without defense capital goods	309,723	309,074	306,910	+0.2	+0.7	+0.1	318,307	328,701	309,430	302,548	+5.2	3,030,116	2,907,732
Durable goods industries	168,826	170,705	168,471	-1.1	+1.3	+0.4	172,852	183,299	166,500	165,231	+4.6	1,654,503	1,584,934
With unfilled orders	136,720	137,532	136,304	-0.6	+0.9	+0.6	138,559	149,173	134,496	132,625	+4.5	1,340,550	1,281,390
Stone, clay, and glass products	7,160	6,895	6,904	+3.8	-0.1	-2.8	7,819	7,480	7,475	6,954	+12.4	69,613	63,349
Primary metals	14,961	14,775	14,845	+1.3	-0.5	-1.6	15,366	15,217	14,886	15,640	-1.8	149,923	155,706
Blast furnaces, steel mills	6,184	6,200	6,166	-0.3	+0.6	-1.5	6,394	6,360	6,192	6,514	-1.8	62,110	63,816
Iron and steel foundries	1,419	1,438	1,434	-1.3	+0.3	-6.9	1,504	1,512	1,477	1,368	+9.9	14,141	13,033
Nonferrous and other primary metals	7,358	7,137	7,245	+3.1	-1.5	-0.6	7,468	7,345	7,217	7,758	-3.7	73,672	78,857
Fabricated metal products	17,648	17,790	17,812	-0.8	-0.1	+1.5	18,632	18,720	18,285	17,685	+5.4	174,813	166,723
Industrial machinery and equipment	31,990	32,526	32,037	-1.6	+1.5	+1.2	30,938	35,774	29,970	29,399	+5.2	314,438	290,309
Engines and turbines	1,676	1,673	1,634	+0.2	+2.4	-6.4	1,520	2,051	1,431	1,588	-4.3	16,514	17,231
Farm and garden machinery	1,905	2,001	1,952	-4.8	+2.5	+1.8	1,808	1,794	1,585	1,574	+14.9	19,357	17,897
Construction, mining and material handling equipment	3,675	3,684	3,608	-0.2	+2.1	+0.3	3,657	3,678	3,459	3,378	+8.3	35,941	33,026
Metalworking machinery	3,181	3,191	3,203	-0.3	-0.4	+1.3	3,490	3,555	3,042	3,559	-1.9	30,993	29,787
Computer and office equipment	8,711	9,036	8,977	-3.6	+0.7	+4.6	7,605	11,446	7,999	7,291	+4.3	83,780	74,050
Electronic and other electrical equipment	27,511	27,190	26,637	+1.2	+2.1	+0.2	27,887	30,264	26,083	26,232	+6.3	264,011	244,427
Electrical transmission and distribution equipment and industrial apparatus	3,201	3,189	3,155	+0.4	+1.1	-0.1	3,109	3,592	3,114	2,902	+7.1	31,293	30,872
Household appliances	2,050	1,991	2,000	+3.0	-0.4	-0.6	2,056	2,115	2,102	2,008	+2.4	20,435	19,557
Electric lighting and wiring equipment	2,026	2,054	2,063	-1.4	-0.4	+1.3	2,014	2,233	2,044	1,963	+2.6	19,991	19,436
Household audio and video equipment	1,289	1,321	1,321	-2.4	0.0	+3.9	1,768	1,635	1,414	1,675	+5.6	12,425	11,275
Communications equipment	6,236	6,251	6,027	-0.2	+3.7	-1.5	5,950	7,016	5,382	5,282	+12.6	57,162	49,506
Electronic components	10,739	10,439	10,046	+2.9	+3.9	+0.8	10,750	11,530	10,042	10,194	+5.5	103,043	94,774
Transportation equipment	38,880	40,819	39,771	-4.8	+2.6	+1.3	40,412	42,640	38,837	39,309	+2.8	382,724	376,161
Motor vehicles and parts	27,547	28,558	28,046	-3.5	+1.8	-1.7	29,460	29,487	27,540	28,918	+1.9	271,876	264,024
Aircraft, missiles, space vehicles, and parts	8,596	9,085	9,048	-5.4	+0.4	+11.3	8,165	9,788	8,631	7,710	+5.9	81,985	83,114
Shipbuilding and tanks	750	862	754	-13.0	+14.3	-9.8	710	920	735	767	-7.4	8,205	8,353
Instruments and related products	12,620	12,549	12,643	+0.6	-0.7	-1.0	12,300	13,545	12,416	11,816	+4.1	123,839	119,163
Search and navigation equipment	2,496	2,419	2,536	+3.2	-4.6	-0.3	2,347	2,649	2,507	2,349	-0.1	24,734	25,259
Measuring and controlling devices	3,825	3,778	3,838	+1.2	-1.6	+1.5	3,722	4,067	3,801	3,637	+2.3	37,434	36,067
Medical instruments and supplies	4,112	4,160	4,030	-1.2	+3.2	+0.4	3,931	4,465	3,964	3,499	+12.3	39,431	36,470
Photographic goods	1,793	1,805	1,856	-0.7	-2.7	-8.7	1,911	1,955	1,756	1,988	-3.9	18,478	17,965
All other durable goods	18,056	18,161	17,822	-0.6	+1.9	+0.3	19,498	19,659	18,548	18,196	+7.2	175,142	169,096
Nondurable goods industries	146,591	144,455	144,376	+1.5	+0.1	-0.2	151,040	152,031	148,725	143,127	+5.5	1,434,020	1,382,523
With unfilled orders	35,612	35,872	36,008	-0.7	-0.4	-0.5	37,055	38,235	37,469	37,711	-1.7	358,489	358,634
Food and kindred products	39,239	38,620	39,046	+1.6	-1.1	-0.2	40,930	40,977	39,800	38,985	+5.0	384,543	364,774
Meat products	9,003	8,862	9,236	+1.6	-4.0	+2.1	9,381	9,315	9,523	9,178	+2.2	89,667	84,844
Dairy products	5,035	5,018	5,014	+0.3	+0.1	+0.9	4,995	5,175	5,093	4,610	+8.4	48,282	45,167
Beverages	5,592	5,651	5,635	-1.0	+0.3	-2.6	5,407	5,798	6,138	5,286	+2.3	56,780	53,469
All other foods, except fats and oils	17,482	16,998	17,165	+2.8	-1.0	-1.3	19,020	18,598	17,050	17,967	+5.9	170,200	163,543
Tobacco products	2,914	2,827	2,868	+3.1	-1.4	+0.1	2,920	2,728	3,020	2,643	+10.5	27,592	26,320
Textile mill products	6,427	6,494	6,427	-1.0	+1.0	-1.6	6,737	7,253	6,849	6,712	+0.4	64,944	66,491
Broadwoven fabrics and other textiles	3,903	3,972	3,949	-1.7	+0.6	-0.7	3,938	4,420	4,169	3,997	-1.5	39,611	40,805
Paper and allied products	13,271	13,237	13,246	+0.3	-0.1	-1.8	13,485	13,667	13,577	14,571	-7.5	135,384	144,176
Pulp, paper, and paperboard mill products	5,329	5,336	5,291	-0.1	+0.9	-1.5	5,350	5,477	5,412	6,284	-14.9	54,643	63,774
Paperboard containers and boxes	3,409	3,431	3,387	-0.6	+1.3	-0.6	3,525	3,513	3,489	3,757	-6.2	34,944	36,930
Miscellaneous converted paper products	4,533	4,470	4,568	+1.4	-2.1	-2.9	4,610	4,677	4,676	4,530	+1.8	45,797	43,472
Chemicals and allied products	32,160	31,487	31,370	+2.1	+0.4	-0.4	31,657	32,498	31,371	29,494	+7.3	311,211	300,907
Industrial chemicals	15,606	15,423	15,537	+1.2	-0.7	+0.9	15,356	15,651	15,754	15,044	+2.1	154,464	157,877
Drugs, soaps, and toiletries	12,188	11,833	11,535	+3.0	+2.6	-1.6	12,639	13,197	11,689	11,099	+13.9	114,637	104,449
Petroleum and coal products	16,790	15,814	15,156	+6.2	+4.3	+2.6	16,911	16,243	15,902	12,753	+32.6	150,920	128,485
Rubber and plastics products	11,775	11,794	11,860	-0.2	-0.6	-1.8	12,169	12,285	12,160	12,324	-1.3	119,772	121,355
All other nondurable goods	24,015	24,182	24,403	-0.7	-0.9	+0.6	26,231	26,380	26,046	25,645	+2.3	239,654	230,015

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Oct. 1995	Oct. 96/95	1996[p]	1995
All manufacturing industries	321,291	318,515	310,575	+0.9	+2.6	-2.1	331,242	333,522	311,139	310,080	+6.8	3,121,472	2,972,530
Manufacturing industries													
with unfilled orders	178,206	176,759	170,040	+0.8	+4.0	-3.7	182,964	185,600	167,879	172,058	+6.3	1,731,988	1,645,097
without defense capital goods	316,496	313,266	305,674	+1.0	+2.5	-2.2	326,480	327,949	307,310	304,626	+7.2	3,062,469	2,918,711
Durable goods industries	174,351	173,811	166,267	+0.3	+4.5	-3.6	180,742	181,983	162,706	168,310	+7.4	1,686,343	1,590,841
With unfilled orders	142,245	140,638	134,100	+1.1	+4.9	-4.3	146,449	147,857	130,702	135,704	+7.9	1,372,390	1,287,297
Stone, clay, and glass products	7,047	7,137	6,776	-1.3	+5.3	-0.2	7,402	7,613	7,417	6,608	+12.0	69,153	63,582
Primary metals	14,524	14,619	15,177	-0.6	-3.7	-3.9	14,509	14,179	14,773	15,510	-6.5	150,938	154,009
Blast furnaces, steel mills	6,111	6,220	6,244	-1.8	-0.4	-4.7	6,066	5,920	6,186	6,500	-6.7	62,435	64,162
Iron and steel foundries	1,274	1,431	1,526	-11.0	-6.2	-3.5	1,357	1,459	1,500	1,440	-5.8	14,659	13,032
Nonferrous and other primary metals	7,139	6,968	7,407	+2.5	-5.9	-3.4	7,086	6,800	7,087	7,570	-6.4	73,844	76,815
Fabricated metal products	17,851	18,198	17,915	-1.9	+1.6	+1.1	18,527	18,920	18,428	17,256	+7.4	176,528	167,155
Industrial machinery and equipment	31,838	32,301	32,354	-1.4	-0.2	-0.7	31,848	35,054	30,252	30,039	+6.0	316,464	295,090
Engines and turbines	1,882	1,662	1,618	+13.2	+2.7	-17.5	1,929	2,284	1,552	1,658	+16.3	16,632	17,191
Construction, mining and material handling equipment	3,361	3,732	3,705	-9.9	+0.7	+2.7	3,442	3,844	3,353	3,773	-8.8	36,176	34,279
Metalworking machinery	3,133	3,199	3,248	-2.1	-1.5	-4.6	3,442	3,563	3,087	3,335	+3.2	31,676	30,609
Computer and office equipment	8,851	8,797	9,014	+0.6	-2.4	-0.3	8,180	10,755	8,116	7,516	+8.8	84,405	74,411
Electronic and other electrical equipment	31,219	26,640	26,596	+17.2	+0.2	-5.3	33,769	27,716	25,815	29,134	+15.9	268,700	254,131
Electrical transmission and distribution equipment and industrial apparatus	3,213	3,154	3,079	+1.9	+2.4	-11.1	3,212	3,447	3,037	3,123	+2.8	31,543	31,057
Electric lighting and wiring equipment	2,096	2,003	2,127	+4.6	-5.8	-3.4	2,084	2,182	2,108	1,913	+8.9	20,459	19,611
Communications equipment	7,560	5,551	5,621	+36.2	-1.2	-13.2	7,304	6,334	4,950	5,495	+32.9	58,130	51,878
Electronic components	12,941	10,687	10,331	+21.1	+3.4	-3.7	14,944	10,011	10,037	12,816	+16.6	105,588	102,479
Transportation equipment	41,191	44,637	37,503	-7.7	+19.0	-8.8	42,613	45,989	35,843	39,488	+7.9	406,057	370,624
Aircraft, missiles, space vehicles, and parts	11,796	12,956	7,012	-9.0	+84.8	-30.0	11,374	13,305	5,828	8,724	+30.4	106,283	81,019
Shipbuilding and tanks	240	534	564	-55.1	-5.3	+83.1	264	553	495	269	-1.9	7,533	5,934
Instruments and related products	12,306	12,024	12,109	+2.3	-0.7	-4.2	12,343	13,096	11,696	12,324	+0.2	121,996	116,484
Search and navigation equipment	2,383	2,194	2,004	+8.6	+9.5	-1.2	2,271	2,541	1,838	2,222	+2.2	22,600	22,059
Measuring and controlling devices	3,788	3,457	3,713	+9.6	-6.9	-4.0	3,685	3,746	3,676	3,764	-2.1	36,880	36,866
Medical instruments and supplies	3,931	4,242	4,143	-7.3	+2.4	-3.7	4,066	4,488	4,051	3,990	+1.9	40,075	36,087
All other durable goods	18,375	18,255	17,837	+0.7	+2.3	+1.0	19,731	19,416	18,482	17,951	+9.9	176,507	169,766
Nondurable goods industries	146,940	144,704	144,308	+1.5	+0.3	-0.4	150,500	151,539	148,433	141,770	+6.2	1,435,129	1,381,689
With unfilled orders	35,961	36,121	35,940	-0.4	+0.5	-1.4	36,515	37,743	37,177	36,354	+0.4	359,598	357,800

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Oct. 1995	Oct. 96/95
All manufacturing industries	511,062	505,188	501,833	+1.2	+0.7	-0.5	507,424	500,074	501,882	469,380	+8.1
Manufacturing industries without defense capital goods	405,853	399,080	394,888	+1.7	+1.1	-0.3	403,717	395,544	396,296	367,410	+9.9
Durable goods industries	486,452	480,927	477,821	+1.1	+0.7	-0.5	483,555	475,665	476,981	445,638	+8.5
Stone, clay, and glass products	6,468	6,581	6,339	-1.7	+3.8	-2.0	6,302	6,719	6,586	6,882	-8.4
Primary metals	31,130	31,567	31,723	-1.4	-0.5	+1.1	29,290	30,147	31,185	27,030	+8.4
Blast furnaces, steel mills	12,851	12,924	12,904	-0.6	+0.2	+0.6	12,003	12,331	12,771	11,005	+9.1
Iron and steel foundries	4,193	4,338	4,345	-3.3	-0.2	+2.2	4,088	4,235	4,288	3,682	+11.0
Nonferrous and other primary metals	14,086	14,305	14,474	-1.5	-1.2	+1.1	13,199	13,581	14,126	12,343	+6.9
Fabricated metal products	23,186	22,983	22,575	+0.9	+1.8	+0.5	23,036	23,141	22,941	21,514	+7.1
Industrial machinery and equipment	72,655	72,807	73,032	-0.2	-0.3	+0.4	72,590	71,680	72,400	70,394	+3.1
Engines and turbines	11,157	10,951	10,962	+1.9	-0.1	-0.1	11,553	11,144	10,911	11,084	+4.2
Construction, mining and material handling equipment	9,119	9,433	9,385	-3.3	+0.5	+1.0	8,918	9,133	8,967	8,438	+5.7
Metalworking machinery	9,150	9,198	9,190	-0.5	+0.1	+0.5	9,150	9,198	9,190	9,313	-1.8
Computer and office equipment	10,098	9,958	10,197	+1.4	-2.3	+0.4	10,401	9,826	10,517	10,389	+0.1
Electronic and other electrical equipment	52,921	49,213	49,763	+7.5	-1.1	-0.1	53,674	47,792	50,340	52,339	+2.6
Electrical transmission and distribution equipment and industrial apparatus	6,287	6,275	6,310	+0.2	-0.6	-1.2	6,311	6,208	6,353	6,316	-0.1
Electric lighting and wiring equipment	4,398	4,328	4,379	+1.6	-1.2	+1.5	4,398	4,328	4,379	3,900	+12.8
Communications equipment	15,444	14,120	14,820	+9.4	-4.7	-2.7	15,472	14,118	14,800	14,982	+3.3
Electronic components	22,634	20,432	20,184	+10.8	+1.2	+1.4	23,336	19,142	20,661	23,063	+1.2
Transportation equipment	245,971	243,660	239,842	+0.9	+1.6	-0.9	244,494	242,293	238,944	212,608	+15.0
Aircraft, missiles, space vehicles, and parts	216,659	213,459	209,588	+1.5	+1.8	-1.0	215,352	212,143	208,626	182,037	+18.3
Shipbuilding and tanks	16,272	16,782	17,110	-3.0	-1.9	-1.1	16,315	16,761	17,128	17,372	-6.1
Instruments and related products	46,322	46,636	47,161	-0.7	-1.1	-1.1	46,306	46,263	46,712	47,241	-2.0
Search and navigation equipment	27,882	27,995	28,220	-0.4	-0.8	-1.9	27,659	27,735	27,843	28,836	-4.1
Measuring and controlling devices	9,550	9,587	9,908	-0.4	-3.2	-1.2	9,550	9,587	9,908	10,047	-4.9
Medical instruments and supplies	7,954	8,135	8,053	-2.2	+1.0	+1.4	8,145	8,010	7,987	7,558	+7.8
All other durable goods	7,799	7,480	7,386	+4.3	+1.3	+0.2	7,863	7,630	7,873	7,630	+3.1
Nondurable goods industries	24,610	24,261	24,012	+1.4	+1.0	-0.3	23,869	24,409	24,901	23,742	+0.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct.-1996[p]	Sept. 1996[r]	Aug. 1996	Oct. 1995	Oct. 96/95
All manufacturing industries	437,907	436,700	435,687	+0.3	+0.2	+0.3	438,779	435,970	438,946	432,338	+1.5
anufacturing industries											
ith unfilled orders	294,064	293,015	292,712	+0.4	+0.1	+0.3	294,264	292,493	296,632	290,049	+1.5
ithout defense capital goods	419,045	417,686	416,572	+0.3	+0.3	+0.3	419,645	416,676	419,354	412,100	+1.8
rable goods industries	277,014	276,347	275,926	+0.2	+0.2	+0.4	277,242	275,520	278,690	270,299	+2.6
Vith unfilled orders	254,551	253,687	253,024	+0.3	+0.3	+0.4	255,009	253,177	256,158	248,283	+2.7
one, clay, and glass products	8,310	8,271	8,252	+0.5	+0.2	+0.6	8,061	8,106	8,255	8,334	-3.3
mary metals	23,753	23,856	23,612	-0.4	+1.0	+0.2	23,702	23,862	23,685	23,625	+0.3
Blast furnaces, steel mills	11,943	11,925	11,715	+0.2	+1.8	+1.3	11,979	11,935	11,714	11,447	+4.6
Iron and steel foundries	1,479	1,476	1,453	+0.2	+1.6	-0.2	1,454	1,448	1,439	1,368	+6.3
Nonferrous and other primary metals	10,331	10,455	10,444	-1.2	+0.1	-0.9	10,269	10,479	10,532	10,810	-5.0
bricated metal products	26,103	26,071	26,133	+0.1	-0.2	+0.5	25,746	25,821	26,216	26,307	-2.1
lustrial machinery and equipment	58,655	58,670	59,201	0.0	-0.9	0.0	58,618	58,130	59,940	57,700	+1.6
Engines and turbines	3,867	3,837	3,862	+0.8	-0.6	+0.7	4,031	3,922	4,102	4,109	-1.9
Farm and garden machinery	2,831	2,845	2,892	-0.5	-1.6	-0.8	2,667	2,671	2,691	2,567	+3.9
Construction, mining and material handling equipment	7,336	7,216	7,215	+1.7	0.0	+0.6	7,285	7,138	7,158	7,054	+3.3
Metalworking machinery	7,185	7,150	7,123	+0.5	+0.4	+0.5	7,199	7,241	7,414	6,818	+5.6
Computer and office equipment	12,423	12,684	12,952	-2.1	-2.1	-1.4	12,547	12,326	13,451	13,367	-6.1
ctronic and other ectrical equipment	41,223	41,140	41,062	+0.2	+0.2	+0.3	41,393	41,037	41,731	40,793	+1.5
Electrical transmission and distribution equipment and industrial apparatus	4,733	4,734	4,679	0.0	+1.2	0.0	4,797	4,745	4,752	5,297	-9.4
Household appliances	2,838	2,814	2,753	+0.9	+2.2	+2.3	2,722	2,638	2,669	2,577	+5.6
Electric lighting and wiring equipment	3,295	3,283	3,314	+0.4	-0.9	-0.3	3,311	3,241	3,377	3,499	-5.4
Household audio and video equipment	1,512	1,513	1,538	-0.1	-1.6	-1.4	1,488	1,581	1,664	1,537	-3.2
Communications equipment	11,378	11,304	11,268	+0.7	+0.3	+2.7	11,419	11,274	11,431	10,730	+6.4
Electronic components	13,816	13,917	13,943	-0.7	-0.2	-1.6	14,023	13,970	14,167	13,682	+2.5
nsportation equipment	67,827	67,515	67,112	+0.5	+0.6	+0.4	68,427	67,761	67,947	64,412	+6.2
Motor vehicles and parts	15,948	15,815	15,812	+0.8	0.0	-0.4	16,023	15,897	16,073	15,485	+3.5
Aircraft, missiles, space vehicles, and parts	46,746	46,515	46,095	+0.5	+0.9	+0.4	47,353	46,780	46,669	43,838	+8.0
hipbuilding and tanks	1,877	1,938	1,859	-3.1	+4.2	+3.2	1,821	1,883	1,856	1,745	+4.4
ruments and related products	25,419	25,103	25,049	+1.3	+0.2	+0.5	25,623	25,168	25,485	23,736	+7.9
earch and navigation equipment	7,006	6,782	6,719	+3.3	+0.9	+0.4	7,023	6,781	6,857	6,061	+15.9
Measuring and controlling devices	8,052	8,030	8,054	+0.3	-0.3	+0.6	8,052	8,029	8,164	7,564	+6.5
Medical instruments and supplies	7,429	7,354	7,341	+1.0	+0.2	+0.6	7,555	7,337	7,464	7,064	+7.0
hotographic goods	2,290	2,294	2,293	-0.2	0.0	-0.2	2,354	2,385	2,359	2,430	-3.1
other durable goods	25,724	25,721	25,505	0.0	+0.8	+1.7	25,672	25,635	25,431	25,392	+1.1
ndurable goods industries	160,893	160,353	159,761	+0.3	+0.4	+0.1	161,537	160,450	160,256	162,039	-0.3
Vith unfilled orders	39,513	39,328	39,688	+0.5	-0.9	-0.2	39,255	39,316	40,474	41,766	-6.0
d and kindred products	33,282	33,389	33,171	-0.3	+0.7	0.0	35,148	34,092	32,933	34,924	+0.6
Meat products	4,080	4,036	3,995	+1.1	+1.0	-0.3	4,080	4,027	3,920	3,872	+5.4
Dairy products	3,072	3,085	2,983	-0.4	+3.4	+2.1	3,103	3,101	3,042	2,653	+17.0
Beverages	6,321	6,327	6,266	-0.1	+1.0	+1.1	6,460	6,397	6,142	6,336	+2.0
All other foods, except fats and oils	17,723	17,928	17,683	-1.1	+1.4	-0.9	19,354	18,884	17,859	20,126	-3.8
bacco products	5,875	5,728	5,630	+2.6	+1.7	+1.9	6,004	5,696	5,399	5,740	+4.6
tile mill products	10,063	10,042	10,071	+0.2	-0.3	+0.6	9,844	9,830	10,147	10,107	-2.6
Broadwoven fabrics and other textiles	5,977	5,977	6,007	0.0	-0.5	+0.6	5,881	5,833	6,040	6,070	-3.1
er and allied products	16,637	16,727	16,781	-0.5	-0.3	+0.3	16,372	16,555	16,782	17,200	-4.8
Pulp, paper, and paperboard mill products	6,904	6,985	7,059	-1.2	-1.0	+0.2	6,800	6,912	7,046	6,830	-0.4
Paperboard containers and boxes	4,027	4,012	3,985	+0.4	+0.7	+0.3	3,934	4,018	3,985	4,624	-14.9
Miscellaneous converted paper products	5,706	5,730	5,737	-0.4	-0.1	+0.5	5,638	5,625	5,751	5,746	-1.9
emicals and allied products	39,376	39,251	38,991	+0.3	+0.7	+0.3	38,922	38,892	38,948	38,310	+1.6
ndustrial chemicals	19,091	19,041	18,810	+0.3	+1.2	+0.7	18,900	18,940	18,765	18,865	+0.2
Drugs, soaps, and toiletries	15,301	15,243	15,164	+0.4	+0.5	-0.1	15,240	15,275	15,469	14,885	+2.4
roleum and coal products	12,582	12,543	12,330	+0.3	+1.7	0.0	12,773	12,744	12,494	11,411	+11.9
bber and plastics products	15,571	15,470	15,352	+0.7	+0.8	+0.5	15,249	15,147	15,119	14,973	+1.8
other nondurable goods	27,507	27,203	27,435	+1.1	-0.8	-1.0	27,225	27,494	28,434	29,374	-7.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct 1996p	Sept 1996r	Aug 1996	Sept - Oct	Aug - Sept.	July-Aug	Oct 1996p	Sept 1996r	Aug 1996	Oct 1995	Oct 96/95	1996p	1995
SHIPMENTS													
All manufacturing industries	315,417	315,160	312,847	+0.1	+0.7	+0.1	323,892	335,330	315,225	308,358	+5.0	3,088,523	2,967,457
Market categories													
Automotive equipment	14,126	14,687	14,211	-3.8	+3.3	-1.1	15,224	15,282	13,922	14,698	+3.6	138,994	133,369
Home goods and apparel	18,797	18,701	18,583	+0.5	+0.6	0.0	21,311	21,249	19,935	20,218	+5.4	185,710	177,971
Consumer staples	67,933	66,362	66,300	+2.4	+0.1	+0.1	70,027	70,483	68,117	63,611	+10.1	652,931	605,857
Machinery and equipment	56,255	57,559	56,255	-2.3	+2.3	+1.5	55,588	62,506	53,429	52,131	+6.6	545,014	509,726
Business supplies	24,970	24,944	24,880	+0.1	+0.3	-0.2	25,623	25,833	25,102	24,283	+5.5	245,417	230,381
Construction materials and supplies	19,707	19,554	19,619	+0.8	-0.3	-0.8	21,019	20,942	20,769	19,914	+5.5	192,933	188,530
Defense products	5,996	6,379	6,282	-6.0	+1.5	+3.4	5,870	6,945	6,188	6,133	-4.3	61,911	63,633
Other materials, supplies and and intermediate products	107,633	106,974	106,717	+0.6	+0.2	-0.2	109,230	112,090	107,763	107,370	+1.7	1,065,613	1,057,990
Durable goods industries													
Nondefense capital goods [3]	43,232	44,076	43,304	-1.9	+1.8	+2.4	41,318	49,194	40,612	38,997	+6.0	418,002	392,641
Excluding aircraft and parts	37,644	38,428	37,564	-2.0	+2.3	+1.1	36,164	43,142	35,243	34,510	+4.8	367,329	341,763
Defense capital goods [4]	5,694	6,086	5,937	-6.4	+2.5	+3.7	5,585	6,629	5,795	5,810	-3.9	58,407	59,725
Durables excluding capital goods	119,900	120,543	119,230	-0.5	+1.1	-0.4	125,949	127,476	120,093	120,424	+4.6	1,178,094	1,132,568
Miscellaneous series													
Producers' durable equipment	108,439	110,501	108,836	-1.9	+1.5	+0.7	110,246	118,861	105,720	104,689	+5.3	1,060,902	1,003,911
Household durable goods	9,352	9,318	9,188	+0.4	+1.4	+0.2	10,387	10,691	9,480	9,527	+9.0	90,931	82,799
Information technology industries	21,107	21,430	21,331	-1.5	+0.5	+1.1	19,684	25,102	19,619	18,740	+5.0	202,463	183,608
Health care equipment and products	10,736	10,593	10,306	+1.3	+2.8	-0.8	10,801	11,630	10,326	9,543	+13.2	101,810	93,389
NEW ORDERS													
All manufacturing industries	321,291	318,515	310,575	+0.9	+2.6	-2.1	331,242	333,522	311,139	310,080	+6.8	3,121,472	2,972,530
Market categories													
Automotive equipment	14,111	14,684	14,228	-3.9	+3.2	-1.2	15,182	15,245	13,966	14,626	+3.8	138,974	133,201
Home goods and apparel	19,221	18,949	18,622	+1.4	+1.8	+1.7	21,198	20,949	19,807	19,433	+9.1	187,378	179,386
Consumer staples	67,875	66,255	66,216	+2.4	+0.1	-0.4	69,870	70,265	68,108	63,601	+9.9	653,077	606,048
Machinery and equipment	58,999	60,575	54,537	-2.6	+11.1	-6.8	59,390	64,599	51,489	54,663	+8.6	567,318	515,044
Business supplies	24,954	24,912	24,801	+0.2	+0.4	-1.0	25,415	25,678	25,097	24,088	+5.5	245,555	230,565
Construction materials and supplies	19,627	19,750	19,638	-0.6	+0.6	-0.9	20,671	20,999	20,749	19,620	+5.4	193,294	188,598
Defense products	5,268	5,392	5,267	-2.3	+2.4	+3.6	5,211	5,700	4,279	5,733	-9.1	62,277	58,377
Other materials, supplies and and intermediate products	111,236	107,998	107,266	+3.0	+0.7	-2.1	114,305	110,087	107,644	108,316	+5.5	1,073,599	1,061,311
Durable goods industries													
Nondefense capital goods [3]	47,525	47,515	41,172	0.0	+15.4	-10.4	46,654	51,901	38,447	40,563	+15.0	442,082	397,503
Excluding aircraft and parts	38,478	37,668	36,847	+2.2	+2.2	-4.9	38,041	41,650	34,493	35,391	+7.5	370,078	347,861
Defense capital goods [4]	4,795	5,249	4,901	-8.6	+7.1	+2.0	4,762	5,573	3,829	5,454	-12.7	59,003	53,819
Durables excluding capital goods	122,031	121,047	120,194	+0.8	+0.7	-1.2	129,326	124,509	120,430	122,293	+5.8	1,185,258	1,139,519
Miscellaneous series													
Producers' durable equipment	109,904	113,352	107,446	-3.0	+5.5	-3.5	112,561	120,213	104,394	107,556	+4.7	1,081,916	1,011,925
Household durable goods	9,658	9,365	9,166	+3.1	+2.2	+2.3	10,547	10,445	9,457	9,164	+15.1	91,909	83,464
Information technology industries	22,654	20,132	20,497	+12.5	-1.8	-6.0	21,673	23,354	18,870	19,291	+12.3	202,756	185,869
Health care equipment and products	10,555	10,676	10,420	-1.1	+2.5	-2.4	10,937	11,652	10,414	10,034	+9.0	102,458	93,004

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and mat handling equipment, metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and ser industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and eng and parts, ships and tank components, railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts, ships, t and tank components, and search and navigation equipment

See note at end of table 2 relating to survey variability

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	Oct. 1995	Oct. 96/95
UNFILLED ORDERS											
All manufacturing industries	511,062	505,188	501,833	+1.2	+0.7	-0.5	507,424	500,074	501,882	469,380	+8.1
Market categories :											
Automotive equipment	1,933	1,949	1,952	-0.8	-0.2	+0.8	1,898	1,940	1,977	1,996	-4.9
Home goods and apparel	9,658	9,234	8,987	+4.6	+2.7	+0.4	9,278	9,391	9,691	8,603	+7.8
Consumer staples	1,961	2,019	2,126	-2.9	-5.0	-3.8	1,972	2,129	2,347	1,868	+5.6
Machinery and equipment	231,379	228,634	225,618	+1.2	+1.3	-0.8	231,167	227,364	225,270	201,402	+14.8
Business supplies	6,493	6,509	6,541	-0.2	-0.5	-1.2	6,375	6,584	6,738	6,274	+1.6
Construction materials and supplies	15,880	15,960	15,764	-0.5	+1.2	+0.1	15,639	15,987	15,929	15,480	+1.0
Defense products	100,264	100,993	101,980	-0.7	-1.0	-1.0	98,738	99,396	100,641	96,882	+1.9
Other materials, supplies and and intermediate products	143,494	139,890	138,865	+2.6	+0.7	+0.4	142,357	137,283	139,289	136,875	+4.0
urable goods industries :											
Nondefense capital goods [3]	251,351	247,058	243,619	+1.7	+1.4	-0.9	251,254	245,918	243,211	219,530	+14.5
Excluding aircraft and parts	98,170	97,336	98,096	+0.9	-0.8	-0.7	98,073	96,196	97,688	95,758	+2.4
Defense capital goods [4]	105,209	106,108	106,945	-0.8	-0.8	-1.0	103,707	104,530	105,586	101,970	+1.7
Durables excluding capital goods	129,892	127,761	127,257	+1.7	+0.4	+0.8	128,594	125,217	128,184	124,138	+3.6
iscellaneous series :											
Producers' durable equipment	263,524	262,059	259,208	+0.6	+1.1	-0.5	263,358	261,043	259,691	235,921	+11.6
Household durable goods	5,993	5,687	5,640	+5.4	+0.8	-0.4	5,952	5,792	6,038	5,726	+3.9
Information technology industries	38,211	36,664	37,962	+4.2	-3.4	-2.1	38,536	36,547	38,295	38,880	-0.9
Health care equipment and products	7,984	8,164	8,082	-2.2	+1.0	+1.4	8,176	8,040	8,018	7,587	+7.8
TOTAL INVENTORIES											
All manufacturing industries	437,907	436,700	435,687	+0.3	+0.2	+0.3	438,779	435,970	438,946	432,338	+1.5
arket categories :											
Automotive equipment	8,219	8,217	8,257	0.0	-0.5	0.0	8,181	8,177	8,356	7,639	+7.1
Home goods and apparel	32,321	32,199	31,941	+0.4	+0.8	+0.8	31,534	31,989	32,502	31,757	-0.7
Consumer staples	64,641	64,497	64,068	+0.2	+0.7	0.0	66,444	65,400	64,235	65,342	+1.7
Machinery and equipment	112,083	111,454	111,479	+0.6	0.0	+0.7	112,475	110,920	112,793	105,519	+6.6
Business supplies	26,142	25,877	25,849	+1.0	+0.1	-0.1	26,190	25,967	26,276	26,529	-1.3
Construction materials and supplies	25,974	25,957	25,890	+0.1	+0.3	+0.3	25,706	25,712	25,844	26,277	-2.2
Defense products	18,680	18,781	18,830	-0.5	-0.3	-0.7	18,910	19,012	19,255	19,908	-5.0
Other materials, supplies and and intermediate products	149,847	149,718	149,373	+0.1	+0.2	+0.2	149,339	148,793	149,685	149,367	0.0
rable goods industries :											
Nondefense capital goods [3]	106,083	105,459	105,350	+0.6	+0.1	+0.8	106,628	104,957	106,756	100,415	+6.2
Excluding aircraft and parts	71,424	71,293	71,735	+0.2	-0.6	+0.3	71,594	70,789	72,881	70,639	+1.4
Defense capital goods [4]	18,862	19,014	19,115	-0.8	-0.5	-0.8	19,134	19,294	19,592	20,238	-5.5
Durables excluding capital goods	152,069	151,874	151,461	+0.1	+0.3	+0.3	151,480	151,269	152,342	149,646	+1.2
scellaneous series :											
Producers' durable equipment	179,104	178,325	178,125	+0.4	+0.1	+0.7	179,182	177,524	180,031	172,115	+4.1
Household durable goods	15,614	15,545	15,297	+0.4	+1.6	+2.6	15,375	15,420	15,550	14,743	+4.3
Information technology industries	36,402	36,496	36,721	-0.3	-0.6	+0.1	36,632	36,169	37,563	36,049	+1.6
Health care equipment and products	15,748	15,642	15,587	+0.7	+0.4	+0.2	15,839	15,641	15,870	15,161	+4.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct 1996[r]	Sept 1996[r]	Aug 1996	Sept - Oct	Aug.- Sept	July - Aug	Oct 1996[p]	Sept 1996[r]	Aug 1996	Oct 1995	Oct 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	143,391	143,597	143,378	-0.1	+0.2	-0.3	143,895	143,474	143,997	146,514	-1.8
Durable goods industries	82,686	83,373	83,250	-0.8	+0.1	-0.4	83,333	83,715	84,152	84,535	-1.4
Stone, clay, and glass products	2,822	2,785	2,790	+1.3	-0.2	+0.6	2,827	2,787	2,833	2,831	-0.1
Primary metals	7,747	7,771	7,555	-0.3	+2.9	+0.2	7,895	7,852	7,610	7,711	+2.4
Fabricated metal products	9,816	9,647	9,671	+1.8	-0.2	+0.5	9,732	9,587	9,705	9,472	+2.7
Industrial machinery and equipment	17,001	17,676	18,021	-3.8	-1.9	0.0	17,048	17,734	18,413	18,240	-6.5
Electronic and other electrical equipment	14,352	14,397	14,400	-0.3	0.0	-1.4	14,542	14,508	14,662	15,631	-7.0
Transportation equipment	12,702	12,723	12,627	-0.2	+0.8	-2.2	12,692	12,658	12,693	12,165	+4.3
Instruments and related products	7,875	7,915	7,810	-0.5	+1.3	+0.5	7,879	7,946	7,871	7,371	+6.9
Lumber, furniture and miscellaneous durable goods	10,371	10,459	10,376	-0.8	+0.8	+0.6	10,718	10,643	10,365	11,114	-3.6
Nondurable goods industries	60,705	60,224	60,128	+0.8	+0.2	-0.2	60,562	59,759	59,845	61,979	-2.3
Food and kindred products	11,653	11,573	11,603	+0.7	-0.3	-0.7	11,995	11,224	11,167	11,868	+1.1
Tobacco products	4,768	4,733	4,700	+0.7	+0.7	+1.9	4,587	4,622	4,566	4,470	+2.6
Textile mill products	3,019	2,956	2,948	+2.1	+0.3	+0.8	2,932	2,879	2,956	2,932	0.0
Paper and allied products	7,787	7,791	7,840	-0.1	-0.6	-0.1	7,809	7,817	7,855	8,799	-11.3
Chemicals and allied products	13,100	13,072	12,847	+0.2	+1.8	0.0	13,045	13,027	12,818	12,812	+1.8
Petroleum and coal products	4,411	4,322	4,210	+2.1	+2.7	+1.0	4,443	4,343	4,287	3,947	+12.6
Rubber and plastics products	5,922	5,872	5,837	+0.9	+0.6	+0.1	5,827	5,840	5,776	5,847	-0.3
Apparel, printing and publishing and leather goods	10,045	9,905	10,143	+1.4	-2.3	-1.8	9,924	10,007	10,420	11,304	-12.2
WORK IN PROCESS											
All manufacturing industries	145,678	144,810	144,967	+0.6	-0.1	+0.5	147,403	145,802	146,832	141,416	+4.2
Durable goods industries	119,595	118,830	118,867	+0.6	0.0	+0.4	120,491	119,370	120,658	115,024	+4.8
Stone, clay, and glass products	1,248	1,217	1,205	+2.5	+1.0	+0.7	1,173	1,187	1,209	1,183	-0.8
Primary metals	8,965	8,943	8,915	+0.2	+0.3	-0.8	8,921	8,972	8,980	8,873	+0.5
Fabricated metal products	7,110	7,290	7,374	-2.5	-1.1	+0.4	7,163	7,347	7,489	8,002	-10.5
Industrial machinery and equipment	23,524	23,317	23,645	+0.9	-1.4	-1.4	23,826	23,510	24,136	23,609	+0.9
Electronic and other electrical equipment	15,585	15,574	15,604	+0.1	-0.2	+1.8	15,574	15,475	15,732	14,043	+10.9
Transportation equipment	47,083	46,704	46,282	+0.8	+0.9	+1.0	47,707	47,072	46,942	44,324	+7.6
Instruments and related products	11,429	11,137	11,222	+2.6	-0.8	+0.8	11,492	11,147	11,490	10,299	+11.6
Lumber, furniture and miscellaneous durable goods	4,651	4,648	4,620	+0.1	+0.6	+1.1	4,635	4,660	4,680	4,691	-1.2
Nondurable goods industries	26,083	25,980	26,100	+0.4	-0.5	+1.1	26,912	26,432	26,174	26,392	+2.0
Food and kindred products	4,629	4,654	4,626	-0.5	+0.6	+6.7	5,264	4,834	4,276	5,065	+3.9
Tobacco products	284	242	268	+17.4	-9.7	-3.6	403	290	244	339	+18.9
Textile mill products	2,722	2,723	2,735	0.0	-0.4	+0.1	2,709	2,740	2,756	2,842	-4.7
Paper and allied products	1,753	1,776	1,774	-1.3	+0.1	+0.1	1,688	1,761	1,804	1,648	+2.4
Chemicals and allied products	6,674	6,726	6,840	-0.8	-1.7	+0.4	6,652	6,770	6,927	6,537	+1.8
Petroleum and coal products	2,576	2,522	2,491	+2.1	+1.2	+0.4	2,621	2,572	2,571	2,273	+15.3
Rubber and plastics products	2,024	2,072	2,061	-2.3	+0.5	+1.3	2,056	2,055	2,033	2,086	-1.4
Apparel, printing and publishing and leather goods	5,421	5,265	5,305	+3.0	-0.8	-1.1	5,519	5,410	5,563	5,602	-1.5
FINISHED GOODS											
All manufacturing industries	148,838	148,293	147,342	+0.4	+0.6	+0.6	147,481	146,694	148,117	144,408	+2.1
Durable goods industries	74,733	74,144	73,809	+0.8	+0.5	+1.3	73,418	72,435	73,880	70,740	+3.8
Stone, clay, and glass products	4,240	4,269	4,257	-0.7	+0.3	+0.5	4,061	4,132	4,213	4,320	-6.0
Primary metals	7,041	7,142	7,142	-1.4	0.0	+1.7	6,886	7,038	7,095	7,041	-2.2
Fabricated metal products	9,177	9,134	9,088	+0.5	+0.5	+0.5	8,851	8,887	9,022	8,833	+0.2
Industrial machinery and equipment	18,130	17,677	17,535	+2.6	+0.8	+1.9	17,744	16,886	17,391	15,851	+11.9
Electronic and other electrical equipment	11,286	11,169	11,058	+1.0	+1.0	+0.4	11,277	11,054	11,337	11,119	+1.4
Transportation equipment	8,042	8,088	8,203	-0.6	-1.4	+1.2	8,028	8,031	8,312	7,923	+1.3
Instruments and related products	6,115	6,051	6,017	+1.1	+0.6	0.0	6,252	6,075	6,124	6,066	+3.1
Lumber, furniture and miscellaneous durable goods	10,702	10,614	10,509	+0.8	+1.0	+3.0	10,319	10,332	10,386	9,587	+7.6
Nondurable goods industries	74,105	74,149	73,533	-0.1	+0.8	-0.1	74,063	74,259	74,237	73,668	+0.5
Food and kindred products	17,000	17,162	16,942	-0.9	+1.3	-1.3	17,889	18,034	17,490	17,991	-0.6
Tobacco products	823	753	662	+9.3	+13.7	+4.4	1,014	784	589	931	+8.9
Textile mill products	4,322	4,363	4,388	-0.9	-0.6	+0.9	4,203	4,211	4,435	4,333	-3.0
Paper and allied products	7,097	7,160	7,167	-0.9	-0.1	+0.9	6,875	6,977	7,123	6,753	+1.8
Chemicals and allied products	19,602	19,453	19,304	+0.8	+0.8	+0.5	19,225	19,095	19,203	18,961	+1.4
Petroleum and coal products	5,595	5,699	5,629	-1.8	+1.2	-0.8	5,709	5,829	5,636	5,191	+10.0
Rubber and plastics products	7,625	7,526	7,454	+1.3	+1.0	+0.6	7,366	7,252	7,310	7,040	+4.6
Apparel, printing and publishing and leather goods	12,041	12,033	11,987	+0.1	+0.4	-0.3	11,782	12,077	12,451	12,468	-5.5

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey variability

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	July 1996	Oct. 1996[p]	Sept. 1996[r]	Aug. 1996	July 1996
All manufacturing industries	1.39	1.39	1.39	1.39	2.97	2.91	2.91	2.94
urable goods industries	1.64	1.62	1.64	1.64	3.56	3.50	3.51	3.54
Stone, clay, and glass products	1.16	1.20	1.20	1.15	0.95	1.01	0.97	0.96
Primary metals	1.59	1.61	1.59	1.56	2.08	2.14	2.14	2.08
Fabricated metal products	1.48	1.47	1.47	1.48	1.41	1.39	1.36	1.37
Industrial machinery and equipment	1.83	1.80	1.85	1.87	2.41	2.39	2.43	2.45
Electronic and other electrical equipment	1.50	1.51	1.54	1.54	1.92	1.81	1.87	1.87
Transportation equipment	1.74	1.65	1.69	1.70	12.97	12.18	12.11	12.67
Instruments and related products	2.01	2.00	1.98	1.95	3.67	3.72	3.73	3.73
ondurable goods industries	1.10	1.11	1.11	1.10	0.69	0.68	0.67	0.67
Food and kindred products	0.85	0.86	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.02	2.03	1.96	1.93	(X)	(X)	(X)	(X)
Textile mill products	1.57	1.55	1.57	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.26	1.27	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.25	1.24	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products	0.75	0.79	0.81	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.31	1.29	1.26	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1996	Oct.[2] 1991-1995	Oct. 1995-Sept. 1996	Oct.[1] 1996	Oct.[2] 1991-1995	Oct. 1995-Sept. 1996	Oct.[1] 1996	Oct.[2] 1991-1995	Oct. 1995-Sept. 1996	Oct.[1] 1996	Oct.[2] 1991-1995	Oct. 1995-Sept. 1996
All manufacturing industries	(X)	0.1	0.1	(X)	0.1	0.3	(X)	0.0	0.1	(X)	0.0	0.1
rable goods industries	0.1	0.2	0.2	0.2	0.1	0.4	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.5	(X)	1.4	0.8	(X)	1.0	0.7	(X)	0.3	0.1
Primary metals	0.1	0.4	0.5	0.1	0.5	0.8	-0.3	0.1	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.1	0.4	(X)	0.4	0.4	(X)	0.3	0.3	(X)	0.1	0.2
ndustrial machinery and equipment	0.4	0.5	0.5	0.9	0.8	0.6	0.2	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.1	0.4	0.3	-0.1	0.9	0.5	-0.1	0.2	0.3	(X)	0.1	0.2
Transportation equipment	0.2	0.3	0.6	0.2	0.5	1.3	-0.1	0.1	0.2	(X)	0.1	0.3
nstruments and related products	(X)	0.3	0.5	(X)	1.3	0.9	(X)	0.3	0.3	(X)	0.1	0.1
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
pital goods industries :												
Nondefense	0.3	0.4	0.4	0.6	0.4	0.6	0.0	0.0	0.1	(X)	0.1	0.3
Defense	0.2	0.5	0.8	-0.2	2.0	5.8	0.0	0.1	0.3	(X)	0.3	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nonthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

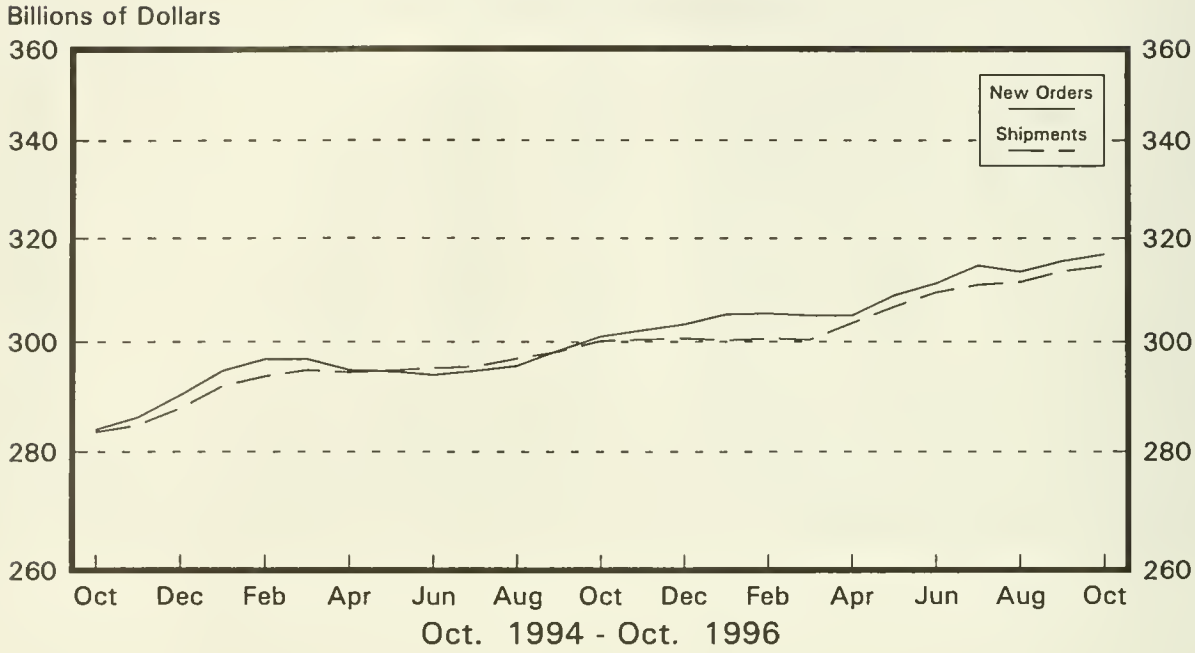
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

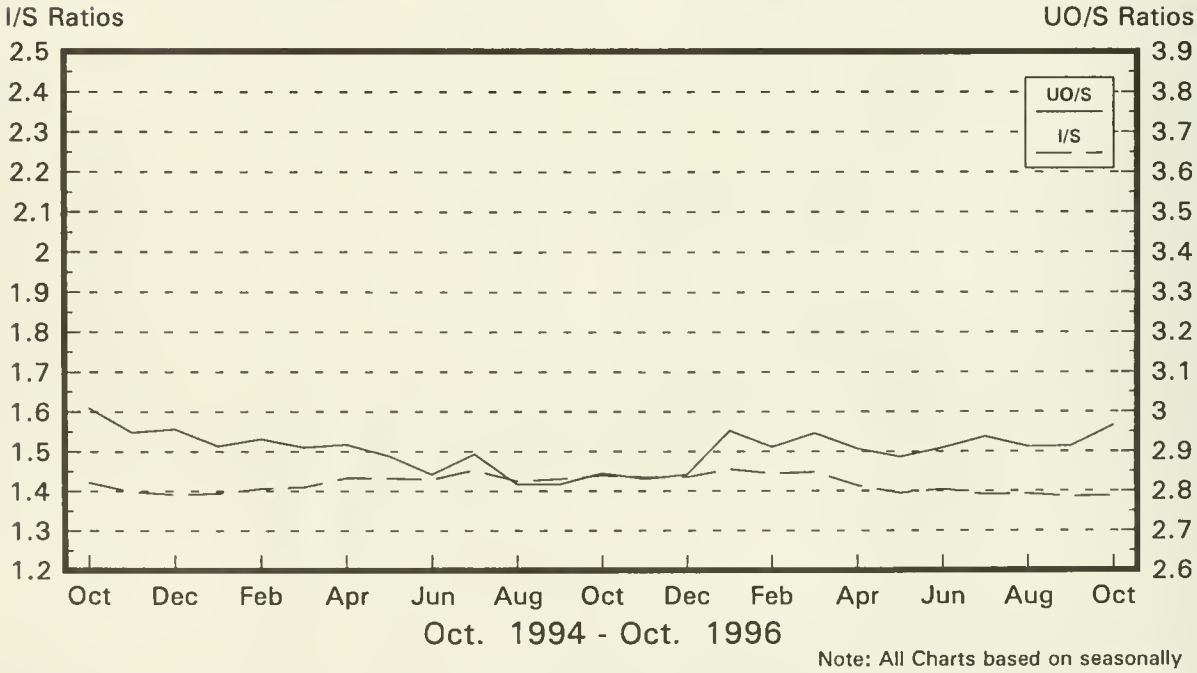
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

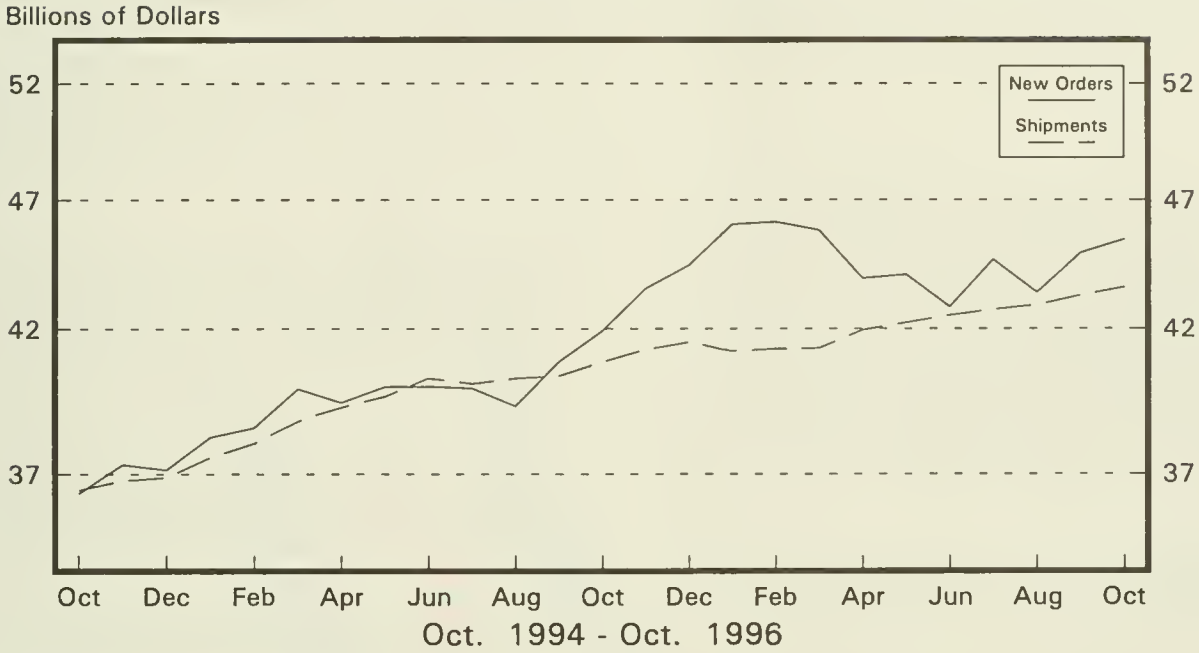
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

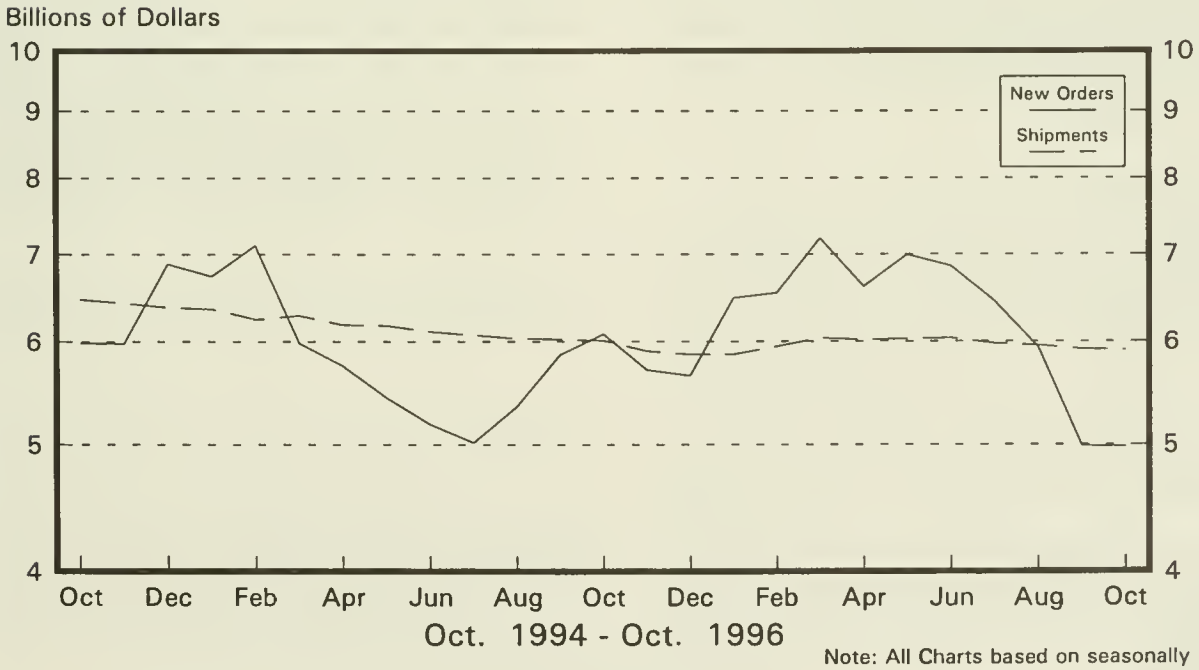
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

December 1996

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December decreased $4.3 billion or 1.3 percent to $315.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.5 percent November decrease and is the fifth decline this year. Excluding transportation, new orders decreased 1.5 percent, following a 0.7 percent November decrease. New orders for 1996 are 4.9 percent above 1995.

Shipments, down for the first month since June, decreased $2.0 billion or 0.6 percent to $315.6 billion, following a 0.6 percent November increase. Shipments for 1996 are 4.3 percent above 1995.

Unfilled orders, up for the fourth consecutive month, increased $0.4 billion or 0.1 percent to $514.6 billion, following a 0.5 percent November increase. The unfilled orders-to-shipments ratio was 2.95, up from 2.94 in November.

Inventories, down for the first month since June, decreased $1.2 billion or 0.3 percent to $438.2 billion, following a 0.3 percent November increase. The inventories-to-shipments ratio was 1.39, up from 1.38 in November.

New Orders

New orders for manufactured durable goods in December decreased $3.3 billion or 1.9 percent to $168.6 billion, revised from the previously published 1.7 percent decrease. This follows a 1.7 percent November decrease and is the seventh decline this year.

Electronic and other electrical equipment had the largest decrease, $3.6 billion or 12.7 percent to $24.4 billion, mostly due to communication equipment and electronic components. This follows a 10.3 percent November decrease. Fabricated metal products, down two of the last three months, decreased $0.4 billion or 2.4 percent to $17.7 billion, following a 0.4 percent November increase. Transportation equipment, down two of the last three months, decreased $0.2 billion or 0.6 percent to $41.7 billion, as decreases in motor vehicles and parts and aircraft and parts more than offset increases in shipbuilding and tanks and railroad equipment. Primary metals, up for the second consecutive month, increased $0.5 billion or 3.2 percent to $14.9 billion, following a 1.0 percent November increase. Industrial machinery and equipment, up for the first month since July, increased $0.4 billion or 1.4 percent to $32.0 billion. This follows a 0.9 percent November decrease.

New orders for nondurable goods, down for the first month since August, decreased $1.0 billion or 0.7 percent to $147.3 billion, following a 0.9 percent November increase. Food and kindred products, leather and leather products, and textile mill products had the largest decreases.

Shipments

Shipments of durable goods in December decreased $1.7 billion or 1.0 percent to $168.4 billion, revised from the previously published 0.8 percent decrease. This follows a 0.8 percent November increase.

Transportation equipment, down two of the last three months, had the largest decrease, $0.9 billion or 2.3 percent to $38.2 billion, as a large decrease in motor vehicles and parts more than offset an increase in aircraft and parts. This follows a 0.9 percent November increase. Electronic and other electrical equipment decreased $0.3 billion or 0.9 percent to $28.1 billion, the first decrease since July. Instruments and related products, down for the first month since September, decreased $0.2 billion or 1.7 percent to $12.6 billion. This follows a 1.2 percent November increase. Fabricated metal products, down three of the last four months, decreased $0.2 billion or 1.3 percent to $17.6 billion, following a 0.6 percent November increase. Stone, clay, and glass products, down four of the last five months, decreased $0.1 billion or 2.0 percent to $6.9 billion, following a 2.1 percent November decrease. Industrial machinery and equipment, up for the first month since September, increased $0.5 billion or 1.6 percent to $32.4 billion, following a 0.2 percent November decrease. Shipments of nondurable goods, down for the first month since August, decreased $0.3 billion or 0.2 percent to $147.1 billion, following a 0.5 percent November increase. Food and kindred products, down for the first month since September, had the largest decrease, $0.6 billion or 1.6 percent to $39.0 billion. This follows a 0.4 percent November increase.

Unfilled Orders

Unfilled orders for durable goods in December increased $0.2 billion to $488.9 billion, unrevised from the previously published $0.2 billion increase. This follows a 0.4 percent November increase and is the seventh increase in the last eight months.

Transportation equipment, up seven of the last eight months, had the largest increase, $3.5 billion or 1.4 percent to $252.8 billion; all component industries except motor vehicles and parts increased. Instruments and related products increased $0.5 billion or 1.0 percent to $47.0 billion. This follows a 0.3 percent November increase and six consecutive monthly declines. Stone, clay, and glass products, up three of the last four months, increased $0.3 billion or 3.9 percent to $6.8 billion, following a 0.4 percent November increase. Fabricated metal products, up for the eleventh consecutive month, increased $0.1 billion or 0.5 percent to $23.8 billion. Electronic and other electrical equipment, down for the second consecutive month, declined $3.7 billion or 7.0 percent to $48.7 billion, following a 0.7 percent November decrease. Industrial machinery and equipment, down for the fourth consecutive month, decreased $0.4 billion or 0.5 percent to $72.0 billion, following a 0.5 percent November decline. Primary metals, down for the fourth consecutive month, decreased $0.2 billion or 0.5 percent to $30.2 billion, following a 2.0 percent November decrease.

Inventories

Inventories of durable goods in December decreased $1.2 billion or 0.4 percent to $276.7 billion, the first decline since June. Industrial machinery and equipment, down four of the last five months, decreased $0.9 billion or 1.5 percent to $57.8 billion. This follows a slight November increase. Electronic and other electrical equipment, down for the first month since July, decreased $0.4 billion or 0.9 percent to $41.2 billion. Transportation equipment, down for the first month since April, decreased $0.2 billion or 0.2 percent to $68.3 billion. This follows a 0.3 percent November increase. Primary metals, up four of the last five months, increased $0.2 billion or 0.9 percent to $24.2 billion.

Inventories of nondurable goods, down for the first month since July, decreased slightly to $161.4 billion, following a 0.4 percent November increase. Decreases in printing, publishing, and allied industries; and food and kindred products more than offset an increase in chemicals and allied products.

By stage of fabrication, December finished goods decreased 0.3 percent in durables and increased slightly in nondurables. Work in progress decreased 0.4 percent in durables and increased 0.5 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and 0.3 percent in nondurables.

(See Back Page for 1997 Release Dates)
Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for January is scheduled for February 27, 1997 at 8:30 a.m. and the full report on March 6, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec. 96/95	1996[p]	199
All manufacturing industries	315,555	317,548	315,510	-0.6	+0.6	+0.1	311,749	319,036	324,083	297,942	+4.6	3,719,499	3,566,93
Manufacturing Industries													
with unfilled orders	174,558	174,804	172,435	-0.1	+1.4	-0.6	179,402	176,855	175,515	172,760	+3.8	2,055,197	1,982,45
without defense capital goods	309,359	311,353	309,838	-0.6	+0.5	+0.2	304,455	312,614	318,538	290,892	+4.7	3,647,416	3,494,27
Durable goods industries	168,406	170,144	168,824	-1.0	+0.8	-1.1	170,015	171,293	172,786	163,554	+4.0	1,995,745	1,910,58
With unfilled orders	138,200	138,737	136,833	-0.4	+1.4	-0.5	143,719	139,754	138,488	137,516	+4.5	1,623,952	1,551,42
Stone, clay, and glass products	6,865	7,004	7,157	-2.0	-2.1	+3.8	5,941	7,049	7,817	5,685	+4.5	82,601	75,54
Primary metals	15,088	15,096	14,969	-0.1	+0.8	+1.3	14,034	14,922	15,355	13,909	+0.9	178,868	184,50
Blast furnaces, steel mills	6,221	6,136	6,171	+1.4	-0.6	-0.5	5,736	5,979	6,393	5,572	+2.9	73,824	75,48
Iron and steel foundries	1,366	1,393	1,415	-1.9	-1.6	-1.6	1,127	1,378	1,504	1,087	+3.7	16,646	15,38
Nonferrous and other primary metals	7,501	7,567	7,383	-0.9	+2.5	+3.4	7,171	7,565	7,458	7,250	-1.1	88,398	93,63
Fabricated metal products	17,562	17,785	17,683	-1.3	+0.6	-0.6	16,279	17,738	18,674	15,559	+4.6	208,872	198,72
Industrial machinery and equipment	32,374	31,872	31,933	+1.6	-0.2	-1.8	35,640	30,708	30,934	33,777	+5.5	380,782	353,55
Engines and turbines	1,689	1,695	1,681	-0.4	+0.8	+0.5	2,444	1,641	1,521	2,312	+5.7	20,600	21,22
Farm and garden machinery	1,774	1,925	1,925	-7.8	0.0	-3.8	1,348	1,610	1,827	1,365	-1.2	22,334	20,71
Construction, mining and material handling equipment	3,674	3,682	3,688	-0.2	-0.2	+0.1	3,608	3,509	3,671	3,617	-0.2	43,072	39,90
Metalworking machinery	3,351	3,341	3,254	+0.3	+2.7	+2.0	3,575	3,675	3,506	3,244	+10.2	38,259	36,35
Computer and office equipment	9,122	8,658	8,668	+5.4	-0.1	-4.1	12,388	8,416	7,645	11,152	+11.1	104,624	93,40
Electronic and other electrical equipment	28,141	28,407	27,600	-0.9	+2.9	+1.5	30,942	29,469	27,819	28,996	+6.7	324,354	300,62
Electrical transmission and distribution equipment and industrial apparatus	3,071	3,375	3,233	-9.0	+4.4	+1.4	2,995	3,281	3,107	3,086	-2.9	37,567	36,92
Household appliances	2,104	2,055	2,050	+2.4	+0.2	+3.0	1,984	1,992	2,052	1,768	+12.2	24,407	23,28
Electric lighting and wiring equipment	2,098	2,086	2,031	+0.6	+2.7	-1.1	2,178	2,197	2,012	2,033	+7.1	24,364	23,52
Household audio and video equipment	1,313	1,267	1,276	+3.6	-0.7	-3.4	1,249	1,589	1,768	1,148	+8.8	15,263	14,05
Communications equipment	6,607	6,631	6,244	-0.4	+6.2	-0.1	9,270	6,808	5,918	8,107	+14.3	73,208	63,18
Electronic components	11,025	11,040	10,801	-0.1	+2.2	+3.5	11,301	11,287	10,748	10,786	+4.8	125,629	116,26
Transportation equipment	38,191	39,102	38,755	-2.3	+0.9	-5.1	37,443	40,044	40,372	36,882	+1.5	460,171	451,25
Motor vehicles and parts	25,816	27,148	27,469	-4.9	-1.2	-3.8	22,582	28,109	29,463	23,272	-3.0	322,570	314,02
Aircraft, missiles, space vehicles, and parts	9,518	9,151	8,558	+4.0	+6.9	-5.8	12,141	9,216	8,130	10,559	+15.0	103,307	102,28
Shipbuilding and tanks	754	785	739	-3.9	+6.2	-14.3	873	739	696	970	-10.0	9,803	10,10
Instruments and related products	12,582	12,805	12,651	-1.7	+1.2	+0.8	13,509	13,017	12,309	13,445	+0.5	150,374	145,08
Search and navigation equipment	2,512	2,594	2,523	-3.2	+2.8	+4.3	2,715	2,710	2,359	2,680	+1.3	30,171	30,47
Measuring and controlling devices	3,804	3,862	3,829	-1.5	+0.9	+1.3	4,116	3,856	3,719	4,493	-8.4	45,403	44,34
Medical instruments and supplies	4,095	4,102	4,076	-0.2	+0.6	-2.0	4,468	4,060	3,883	4,154	+7.6	47,911	44,29
Photographic goods	1,754	1,826	1,815	-3.9	+0.6	+0.6	1,807	1,969	1,944	1,784	+1.3	22,287	21,87
All other durable goods	17,603	18,073	18,076	-2.6	0.0	-0.5	16,227	18,346	19,506	15,301	+6.1	209,723	201,28
Nondurable goods industries	147,149	147,404	146,686	-0.2	+0.5	+1.5	141,734	147,743	151,297	134,388	+5.5	1,723,754	1,656,345
With unfilled orders	36,358	36,067	35,602	+0.8	+1.3	-0.8	35,683	37,101	37,027	35,244	+1.2	431,245	431,030
Food and kindred products	39,031	39,668	39,529	-1.6	+0.4	+2.4	38,858	40,506	41,248	37,848	+2.7	464,225	440,939
Meat products	9,100	9,219	9,084	-1.3	+1.5	+2.5	9,009	9,311	9,423	8,842	+1.9	108,029	102,661
Dairy products	4,980	5,055	5,042	-1.5	+0.3	+0.5	4,920	5,266	5,006	4,689	+4.9	58,479	54,731
Beverages	5,735	5,914	5,709	-3.0	+3.6	+1.0	5,339	5,655	5,551	5,064	+5.4	67,918	63,612
All other foods, except fats and oils	17,023	17,317	17,567	-1.7	-1.4	+3.3	17,397	18,111	19,141	17,298	+0.6	205,829	198,138
Tobacco products	2,837	2,785	2,888	+1.9	-3.6	+2.2	2,908	2,868	2,920	2,715	+7.1	33,368	31,908
Textile mill products	6,607	6,505	6,434	+1.6	+1.1	-0.9	6,068	6,599	6,738	5,779	+5.0	77,612	78,810
Broadwoven fabrics and other textiles	4,029	3,953	3,913	+1.9	+1.0	-1.5	3,848	3,885	3,944	3,633	+5.9	47,350	48,334
Paper and allied products	13,252	13,230	13,253	+0.2	-0.2	+0.1	12,777	13,104	13,491	13,552	-5.7	161,271	171,832
Pulp, paper, and paperboard mill products	5,217	5,191	5,303	+0.5	-2.1	-0.6	5,139	5,168	5,350	5,919	-13.2	64,950	75,827
Paperboard containers and boxes	3,473	3,443	3,413	+0.9	+0.9	-0.5	3,181	3,353	3,527	3,216	-1.1	41,480	43,643
Miscellaneous converted paper products	4,562	4,596	4,537	-0.7	+1.3	+1.5	4,457	4,583	4,614	4,417	+0.9	54,841	52,362
Chemicals and allied products	31,970	31,811	32,039	+0.5	-0.7	+1.8	30,808	30,433	31,549	28,867	+6.7	372,344	358,523
Industrial chemicals	15,804	15,597	15,546	+1.3	+0.3	+0.8	14,808	15,035	15,319	14,128	+4.8	184,270	186,719
Drugs, soaps, and toiletries	12,019	11,955	12,143	+0.5	-1.5	+2.6	12,644	11,892	12,569	11,614	+8.9	139,103	126,896
Petroleum and coal products	16,773	16,655	16,641	+0.7	+0.1	+5.2	16,134	16,540	16,920	12,850	+25.6	183,603	154,137
Rubber and plastics products	11,842	11,910	11,832	-0.6	+0.7	+0.3	10,590	11,461	12,215	10,454	+1.3	141,869	143,259
All other nondurable goods	24,837	24,840	24,070	0.0	+3.2	-0.5	23,591	26,232	26,216	22,323	+5.7	289,462	276,937

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec. 96/95	1996[p]	1995
All manufacturing industries	315,933	320,244	321,887	-1.3	-0.5	+1.1	312,371	319,916	331,619	303,334	+3.0	3,754,136	3,577,098
nufacturing industries													
ith unfilled orders	174,936	177,500	178,812	-1.4	-0.7	+1.2	180,024	177,735	183,051	178,152	+1.1	2,089,834	1,992,621
ithout defense capital goods	307,488	311,479	316,518	-1.3	-1.6	+1.0	300,663	311,228	326,759	293,928	+2.3	3,674,639	3,509,204
rable goods industries	168,587	171,888	174,900	-1.9	-1.7	+0.6	170,606	171,585	180,960	169,750	+0.5	2,028,752	1,922,569
Vith unfilled orders	138,381	140,481	142,909	-1.5	-1.7	+1.6	144,310	140,046	146,662	143,712	+0.4	1,656,959	1,563,407
ne, clay, and glass products	7,120	7,032	7,065	+1.3	-0.5	-1.0	6,234	6,938	7,415	5,601	+11.3	82,338	75,658
mary metals	14,938	14,479	14,330	+3.2	+1.0	-2.0	14,781	14,126	14,494	14,856	-0.5	179,830	184,056
Blast furnaces, steel mills	6,132	5,858	6,023	+4.7	-2.7	-3.2	5,826	5,634	6,068	5,994	-2.8	73,897	76,502
ron and steel foundries	1,505	1,482	1,269	+1.6	+16.8	-11.3	1,320	1,398	1,357	997	+32.4	17,377	15,274
Nonferrous and other primary metals	7,301	7,139	7,038	+2.3	+1.4	+1.0	7,635	7,094	7,069	7,865	-2.9	88,556	92,280
bricated metal products	17,671	18,102	18,024	-2.4	+0.4	-1.0	16,617	17,702	18,705	15,559	+6.8	211,025	198,966
ustrial machinery and equipment	31,981	31,543	31,839	+1.4	-0.9	-1.4	34,408	31,188	31,965	32,442	+6.1	382,177	358,502
Engines and turbines	1,697	1,841	1,885	-7.8	-2.3	+13.4	2,375	1,970	1,930	2,061	+15.2	20,978	21,533
Construction, mining and material handling equipment	3,720	3,680	3,298	+1.1	+11.6	-11.6	3,699	3,515	3,392	3,776	-2.0	43,340	41,404
Metalworking machinery	3,056	3,049	3,231	+0.2	-5.6	+1.0	3,280	3,383	3,483	2,826	+16.1	38,380	36,327
Computer and office equipment	9,417	8,583	8,848	+9.7	-3.0	+0.6	11,886	8,488	8,338	10,147	+17.1	104,937	93,148
ctronic and other ectrical equipment	24,448	28,012	31,216	-12.7	-10.3	+17.2	25,921	28,320	33,561	27,547	-5.9	322,733	306,974
Electrical transmission and distribution equipment and industrial apparatus	3,080	3,487	3,268	-11.7	+6.7	+3.6	2,870	3,376	3,207	2,941	-2.4	37,784	36,858
Electric lighting and wiring equipment	2,250	2,023	2,098	+11.2	-3.6	+4.7	2,330	2,134	2,079	2,146	+8.6	24,918	23,731
Communications equipment	4,472	6,601	7,572	-32.3	-12.8	+36.4	7,146	6,719	7,282	7,669	-6.8	71,973	65,074
Electronic components	9,245	10,600	12,995	-12.8	-18.4	+21.6	8,409	10,213	14,937	9,825	-14.4	124,203	121,696
nsportation equipment	41,701	41,933	41,596	-0.6	+0.8	-6.8	42,403	42,660	42,702	44,541	-4.8	491,209	454,270
Aircraft, missiles, space vehicles, and parts	11,433	11,622	12,180	-1.6	-4.6	-6.0	15,473	11,554	11,380	18,194	-15.0	133,316	109,211
Shipbuilding and tanks	2,139	1,281	330	+67.0	+288.2	-38.2	2,162	1,146	338	873	+147.7	10,915	7,296
ruments and related products	13,042	12,955	12,448	+0.7	+4.1	+3.5	14,495	13,001	12,387	14,660	-1.1	149,536	143,317
earch and navigation equipment	2,737	2,723	2,493	+0.5	+9.2	+13.6	3,677	2,727	2,283	3,934	-6.5	29,016	28,231
Measuring and controlling devices	4,254	3,823	3,912	+11.3	-2.3	+13.2	4,566	3,817	3,802	4,517	+1.1	45,380	45,204
Medical instruments and supplies	3,813	4,133	3,784	-7.7	+9.2	-10.8	3,969	4,109	3,915	4,093	-3.0	48,002	43,858
other durable goods	17,686	17,832	18,382	-0.8	-3.0	+0.7	15,747	17,650	19,731	14,544	+8.3	209,904	200,826
ndurable goods industries	147,346	148,356	146,987	-0.7	+0.9	+1.6	141,765	148,331	150,659	133,584	+6.1	1,725,384	1,654,529
Vith unfilled orders	36,555	37,019	35,903	-1.3	+3.1	-0.6	35,714	37,689	36,389	34,440	+3.7	432,875	429,214

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), nufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec 96/9
All manufacturing industries	514,639	514,261	511,565	+0.1	+0.5	+1.3	509,112	508,490	507,610	474,475	+7.
Manufacturing industries without defense capital goods	404,015	405,886	405,760	-0.5	0.0	+1.7	398,587	402,379	403,765	371,364	+7.
Durable goods industries	488,928	488,747	487,003	0.0	+0.4	+1.3	484,722	484,131	483,839	451,715	+7.
Stone, clay, and glass products	6,772	6,517	6,489	+3.9	+0.4	-1.4	6,499	6,206	6,317	6,762	-3.
Primary metals	30,161	30,311	30,928	-0.5	-2.0	-2.0	29,237	28,490	29,286	28,275	+3.
Blast furnaces, steel mills	12,409	12,498	12,776	-0.7	-2.2	-1.1	11,751	11,661	12,006	11,678	+0.
Iron and steel foundries	4,420	4,281	4,192	+3.2	+2.1	-3.4	4,301	4,108	4,088	3,570	+20.
Nonferrous and other primary metals	13,332	13,532	13,960	-1.5	-3.1	-2.4	13,185	12,721	13,192	13,027	+1.
Fabricated metal products	23,750	23,641	23,324	+0.5	+1.4	+1.5	23,474	23,136	23,172	21,321	+10.
Industrial machinery and equipment	71,991	72,384	72,713	-0.5	-0.5	-0.1	71,959	73,191	72,711	70,564	+2.
Engines and turbines	11,309	11,301	11,155	+0.1	+1.3	+1.9	11,813	11,882	11,553	11,435	+3.
Construction, mining and material handling equipment	9,087	9,041	9,043	+0.5	0.0	-4.1	8,951	8,860	8,854	8,683	+3.1
Metalworking machinery	8,588	8,883	9,175	-3.3	-3.2	-0.3	8,588	8,883	9,175	8,467	+1.
Computer and office equipment	10,358	10,063	10,138	+2.9	-0.7	+1.8	10,089	10,591	10,519	9,776	+3.
Electronic and other electrical equipment	48,741	52,434	52,829	-7.0	-0.7	+7.3	47,364	52,385	53,534	48,985	-3.
Electrical transmission and distribution equipment and industrial apparatus	6,431	6,422	6,310	+0.1	+1.8	+0.6	6,278	6,403	6,308	6,061	+3.
Electric lighting and wiring equipment	4,484	4,332	4,395	+3.5	-1.4	+1.5	4,484	4,332	4,395	3,930	+14.1
Communications equipment	13,283	15,418	15,448	-13.8	-0.2	+9.4	13,269	15,393	15,482	14,504	-8.5
Electronic components	20,406	22,186	22,626	-8.0	-1.9	+10.7	19,365	22,257	23,331	20,791	-6.9
Transportation equipment	252,842	249,332	246,501	+1.4	+1.1	+1.2	252,199	247,239	244,623	221,161	+14.
Aircraft, missiles, space vehicles, and parts	221,467	219,552	217,081	+0.9	+1.1	+1.7	221,063	217,731	215,393	191,054	+15.7
Shipbuilding and tanks	18,254	16,869	16,373	+8.2	+3.0	-2.4	18,099	16,810	16,403	16,987	+6.5
Instruments and related products	47,043	46,583	46,433	+1.0	+0.3	-0.4	47,311	46,325	46,341	48,149	-1.7
Search and navigation equipment	28,319	28,094	27,965	+0.8	+0.5	-0.1	28,638	27,676	27,659	29,793	-3.
Measuring and controlling devices	10,081	9,631	9,670	+4.7	-0.4	+0.9	10,081	9,631	9,670	10,104	-0.2
Medical instruments and supplies	7,592	7,874	7,843	-3.6	+0.4	-3.6	7,592	8,091	8,042	7,501	+1.2
All other durable goods	7,628	7,545	7,786	+1.1	-3.1	+4.1	6,679	7,159	7,855	6,498	+2.8
Nondurable goods industries	25,711	25,514	24,562	+0.8	+3.9	+1.2	24,390	24,359	23,771	22,760	+7.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec. 96/95
All manufacturing industries	438,173	439,371	438,134	-0.3	+0.3	+0.3	428,324	439,502	438,813	422,641	+1.3
anufacturing industries											
ith unfilled orders	294,142	295,807	294,452	-0.6	+0.5	+0.5	285,476	295,629	294,349	281,891	+1.3
ithout defense capital goods	419,664	420,504	419,184	-0.2	+0.3	+0.4	410,616	420,546	419,640	403,976	+1.6
rable goods industries	276,748	277,917	277,328	-0.4	+0.2	+0.4	269,600	278,567	277,369	263,530	+2.3
Vith unfilled orders	254,790	256,140	254,986	-0.5	+0.5	+0.5	247,622	256,548	255,152	241,412	+2.6
one, clay, and glass products	8,443	8,393	8,307	+0.6	+1.0	+0.4	8,255	8,111	8,044	8,215	+0.5
imary metals	24,212	24,003	23,801	+0.9	+0.8	-0.2	24,205	23,843	23,698	23,553	+2.8
Blast furnaces, steel mills	12,257	12,142	11,978	+0.9	+1.4	+0.4	12,514	12,212	11,980	11,686	+7.1
Iron and steel foundries	1,488	1,492	1,483	-0.3	+0.6	+0.5	1,454	1,457	1,453	1,355	+7.3
Nonferrous and other primary metals	10,467	10,369	10,340	+0.9	+0.3	-1.1	10,237	10,174	10,265	10,512	-2.6
bricated metal products	26,230	26,158	26,132	+0.3	+0.1	+0.2	25,728	25,697	25,726	25,719	0.0
lustrial machinery and equipment	57,791	58,679	58,662	-1.5	0.0	0.0	55,688	59,288	58,588	56,471	-1.4
Engines and turbines	3,907	3,964	3,883	-1.4	+2.1	+1.2	3,653	4,168	4,032	3,682	-0.8
Farm and garden machinery	2,749	2,624	2,772	+4.8	-5.3	-2.6	2,950	2,664	2,667	2,991	-1.4
Construction, mining and material handling equipment	7,364	7,420	7,358	-0.8	+0.8	+2.0	7,165	7,379	7,292	6,898	+3.9
Metalworking machinery	7,071	7,145	7,174	-1.0	-0.4	+0.3	6,682	7,105	7,197	6,495	+2.9
Computer and office equipment	11,795	12,286	12,408	-4.0	-1.0	-2.2	10,946	12,705	12,498	12,689	-13.7
ctronic and other lectrical equipment	41,225	41,601	41,281	-0.9	+0.8	+0.3	39,787	41,401	41,367	39,496	+0.7
Electrical transmission and distribution equipment and industrial apparatus	4,696	4,798	4,748	-2.1	+1.1	+0.3	4,543	4,898	4,799	5,047	-10.0
Household appliances	2,783	2,831	2,842	-1.7	-0.4	+1.0	2,558	2,720	2,727	2,475	+3.4
Electric lighting and wiring equipment	3,323	3,315	3,298	+0.2	+0.5	+0.5	3,160	3,300	3,312	3,265	-3.2
Household audio and video equipment	1,560	1,559	1,521	+0.1	+2.5	+0.5	1,438	1,462	1,488	1,429	+0.6
Communications equipment	11,255	11,548	11,409	-2.5	+1.2	+0.9	10,783	11,464	11,415	10,181	+5.9
Electronic components	13,938	13,893	13,827	+0.3	+0.5	-0.6	13,785	13,998	14,006	13,725	+0.4
nsportation equipment	68,251	68,403	68,187	-0.2	+0.3	+1.0	66,315	69,495	68,784	61,590	+7.7
Motor vehicles and parts	15,662	15,500	15,856	+1.0	-2.2	+0.3	15,297	15,721	16,023	14,960	+2.3
Aircraft, missiles, space vehicles, and parts	47,568	47,735	47,188	-0.3	+1.2	+1.4	46,129	48,609	47,692	41,825	+10.3
hipbuilding and tanks	1,981	1,943	1,898	+2.0	+2.4	-2.1	1,919	1,930	1,842	1,751	+9.6
ruments and related products	24,878	24,931	25,245	-0.2	-1.2	+0.6	24,122	25,101	25,506	23,201	+4.0
earch and navigation equipment	6,574	6,723	6,870	-2.2	-2.1	+1.3	6,413	6,771	6,906	6,177	+3.8
Measuring and controlling devices	7,982	7,907	8,053	+0.9	-1.8	+0.3	7,735	7,921	8,087	7,418	+4.3
Medical instruments and supplies	7,455	7,432	7,414	+0.3	+0.2	+0.8	7,306	7,518	7,541	6,839	+6.8
Photographic goods	2,228	2,233	2,265	-0.2	-1.4	-1.3	2,030	2,251	2,329	2,145	-5.4
other durable goods	25,718	25,749	25,713	-0.1	+0.1	0.0	25,500	25,631	25,656	25,285	+0.9
ndurable goods industries	161,425	161,454	160,806	0.0	+0.4	+0.3	158,724	160,935	161,444	159,111	-0.2
Vith unfilled orders	39,352	39,667	39,466	-0.8	+0.5	+0.4	37,854	39,081	39,197	40,479	-6.5
d and kindred products	33,270	33,491	33,296	-0.7	+0.6	-0.3	33,485	35,003	35,199	33,346	+0.4
Meat products	4,040	4,062	4,074	-0.5	-0.3	+0.9	3,818	4,035	4,079	3,785	+0.9
Dairy products	2,903	2,927	3,063	-0.8	-4.4	-0.7	2,767	2,870	3,111	2,635	+5.0
Beverages	6,193	6,212	6,296	-0.3	-1.3	-0.5	6,112	6,298	6,458	6,107	+0.1
ll other foods, except fats and oils	18,037	17,948	17,765	+0.5	+1.0	-0.9	18,578	19,295	19,400	18,773	-1.0
bacco products	6,087	6,072	5,914	+0.2	+2.7	+3.2	6,464	6,156	6,004	5,929	+9.0
tile mill products	10,120	10,088	10,064	+0.3	+0.2	+0.2	9,682	9,867	9,825	9,863	-1.8
Broadwoven fabrics and other textiles	6,058	6,018	5,974	+0.7	+0.7	-0.1	5,828	5,950	5,865	5,899	-1.2
er and allied products	16,448	16,537	16,634	-0.5	-0.6	-0.6	16,214	16,302	16,370	17,408	-6.9
Pulp, paper, and paperboard mill products	6,760	6,839	6,904	-1.2	-0.9	-1.2	6,692	6,783	6,801	7,121	-6.0
Paperboard containers and boxes	4,017	3,992	4,018	+0.6	-0.6	+0.1	3,993	3,897	3,931	4,592	-13.0
Miscellaneous converted paper products	5,671	5,706	5,712	-0.6	-0.1	-0.3	5,529	5,622	5,638	5,695	-2.9
emicals and allied products	39,838	39,461	39,340	+1.0	+0.3	+0.2	39,469	39,008	38,900	38,313	+3.0
ndustrial chemicals	19,266	19,087	19,058	+0.9	+0.2	+0.1	19,362	18,856	18,879	18,967	+2.1
Drugs, soaps, and toiletries	15,542	15,372	15,314	+1.1	+0.4	+0.5	15,091	15,279	15,247	14,572	+3.6
roleum and coal products	12,743	12,683	12,588	+0.5	+0.8	+0.4	12,115	12,667	12,773	11,334	+6.9
bber and plastics products	15,623	15,578	15,538	+0.3	+0.3	+0.4	15,494	15,284	15,207	15,115	+2.5
other nondurable goods	27,296	27,544	27,432	-0.9	+0.4	+0.8	25,801	26,648	27,166	27,803	-7.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov - Dec.	Oct.- Nov.	Sept.- Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct 1996	Dec. 1995	Dec. 96/95	1996[p]	199
SHIPMENTS													
All manufacturing industries	315,555	317,548	315,510	-0.6	+0.6	+0.1	311,749	319,036	324,083	297,942	+4.6	3,719,499	3,566,9
Market categories :													
Automotive equipment	13,283	13,893	14,076	-4.4	-1.3	-4.2	11,568	14,363	15,225	11,768	-1.7	164,926	158,6
Home goods and apparel	19,038	19,244	18,885	-1.1	+1.9	+1.0	16,613	20,347	21,384	15,458	+7.5	222,743	212,2
Consumer staples	67,698	68,046	68,038	-0.5	0.0	+2.5	68,026	68,874	70,244	63,404	+7.3	790,048	732,2
Machinery and equipment	56,655	56,674	56,108	0.0	+1.0	-2.5	63,046	56,449	55,417	59,173	+6.5	664,338	621,9
Business supplies	25,294	25,288	24,934	0.0	+1.4	0.0	24,561	25,792	25,608	23,071	+6.5	295,755	277,5
Construction materials and supplies	19,370	19,584	19,701	-1.1	-0.6	+0.8	17,609	19,475	21,015	16,742	+5.2	230,013	223,6
Defense products	6,574	6,527	5,974	+0.7	+9.3	-6.3	7,513	6,658	5,829	7,260	+3.5	76,041	77,0
Other materials, supplies and and intermediate products	107,643	108,292	107,794	-0.6	+0.5	+0.8	102,813	107,078	109,361	101,066	+1.7	1,275,635	1,263,56
Durable goods industries :													
Nondefense capital goods [3]	44,643	43,945	43,126	+1.6	+1.9	-2.2	53,209	43,206	41,154	49,477	+7.5	514,253	483,11
Excluding aircraft and parts	38,502	38,132	37,528	+1.0	+1.6	-2.3	45,082	37,450	36,000	42,832	+5.3	449,697	420,09
Defense capital goods [4]	6,196	6,195	5,672	0.0	+9.2	-6.8	7,294	6,422	5,545	7,050	+3.5	72,083	72,65
Durables excluding capital goods	117,567	120,004	120,026	-2.0	0.0	-0.4	109,512	121,665	126,087	107,027	+2.3	1,409,409	1,354,81
Miscellaneous series :													
Producers' durable equipment	107,302	108,968	108,339	-1.5	+0.6	-2.0	109,945	109,883	110,127	106,137	+3.6	1,280,611	1,213,64
Household durable goods	9,355	9,423	9,385	-0.7	+0.4	+0.7	8,724	10,097	10,438	7,922	+10.1	109,803	100,01
Information technology industries	21,766	21,482	21,094	+1.3	+1.8	-1.6	27,923	21,541	19,727	26,042	+7.2	251,970	229,89
Health care equipment and products	10,628	10,604	10,676	+0.2	-0.7	+0.8	11,318	10,525	10,716	10,453	+8.3	123,568	113,41
NEW ORDERS													
All manufacturing industries	315,933	320,244	321,887	-1.3	-0.5	+1.1	312,371	319,916	331,619	303,334	+3.0	3,754,136	3,577,09
Market categories :													
Automotive equipment	13,274	13,898	14,046	-4.5	-1.1	-4.3	11,576	14,364	15,161	11,766	-1.6	164,893	158,40
Home goods and apparel	18,913	19,043	19,263	-0.7	-1.1	+1.7	16,059	19,270	21,244	15,034	+6.8	222,753	212,67
Consumer staples	67,728	68,163	67,942	-0.6	+0.3	+2.5	68,064	68,996	70,054	63,349	+7.4	790,321	732,40
Machinery and equipment	55,898	55,797	58,814	+0.2	-5.1	-2.9	61,167	55,882	59,270	64,079	-4.5	684,247	634,72
Business supplies	25,389	25,409	24,893	-0.1	+2.1	-0.1	24,665	25,863	25,382	22,943	+7.5	296,050	277,72
Construction materials and supplies	19,852	19,500	19,612	+1.8	-0.6	-0.7	18,201	19,201	20,684	16,708	+8.9	230,709	223,51
Defense products	8,708	9,251	5,867	-5.9	+57.7	+8.8	11,937	9,188	5,308	9,877	+20.9	83,499	73,25
Other materials, supplies and and intermediate products	106,171	109,183	111,450	-2.8	-2.0	+3.2	100,702	107,152	114,516	99,578	+1.1	1,281,664	1,264,38
Durable goods industries :													
Nondefense capital goods [3]	43,822	43,885	47,482	-0.1	-7.6	-0.1	51,395	43,680	46,635	54,089	-5.0	537,138	495,62
Excluding aircraft and parts	36,646	37,584	38,425	-2.5	-2.2	+2.0	42,233	37,436	38,022	41,337	+2.2	449,728	425,76
Defense capital goods [4]	8,445	8,765	5,369	-3.7	+63.3	+2.3	11,708	8,688	4,860	9,406	+24.5	79,497	67,894
Durables excluding capital goods	116,320	119,238	122,049	-2.4	-2.3	+0.8	107,503	119,217	129,465	106,255	+1.2	1,412,117	1,359,055
Miscellaneous series :													
Producers' durable equipment	107,445	107,709	109,910	-0.2	-2.0	-3.0	108,542	108,318	112,610	110,737	-2.0	1,298,825	1,228,086
Household durable goods	9,421	9,038	9,660	+4.2	-6.4	+3.2	8,507	9,196	10,589	7,541	+12.8	109,654	99,931
Information technology industries	20,465	21,242	22,817	-3.7	-6.9	+13.3	25,811	21,424	21,973	25,051	+3.0	250,291	231,516
Health care equipment and products	10,346	10,636	10,385	-2.7	+2.4	-2.7	10,818	10,575	10,749	10,389	+4.1	123,663	112,964

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment, metalworking machinery; special industry machinery; general industrial machinery, computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec. 96/95
UNFILLED ORDERS											
All manufacturing industries	514,639	514,261	511,565	+0.1	+0.5	+1.3	509,112	508,490	507,610	474,475	+7.3
arket categories :											
Automotive equipment	1,914	1,923	1,918	-0.5	+0.3	-1.6	1,885	1,877	1,877	1,918	-1.7
Home goods and apparel	9,286	9,412	9,613	-1.3	-2.1	+4.1	7,620	8,174	9,251	7,611	+0.1
Consumer staples	2,069	2,039	1,923	+1.5	+6.0	-4.8	2,098	2,060	1,938	1,825	+15.0
Machinery and equipment	229,706	230,462	231,340	-0.3	-0.4	+1.2	228,770	230,649	231,217	208,861	+9.5
Business supplies	6,685	6,589	6,468	+1.5	+1.9	-0.6	6,534	6,429	6,358	6,236	+4.8
Construction materials and supplies	16,268	15,786	15,871	+3.1	-0.5	-0.6	15,974	15,381	15,655	15,277	+4.6
Defense products	105,745	103,611	100,887	+2.1	+2.7	-0.1	105,830	101,406	98,876	98,371	+7.6
Other materials, supplies and and intermediate products	142,966	144,439	143,545	-1.0	+0.6	+2.6	140,401	142,514	142,438	134,376	+4.5
ırable goods industries :											
Nondefense capital goods [3]	250,533	251,354	251,414	-0.3	0.0	+1.8	250,059	251,873	251,399	227,174	+10.1
Excluding aircraft and parts	95,829	97,685	98,233	-1.9	-0.6	+0.9	95,355	98,204	98,218	95,324	0.0
Defense capital goods [4]	110,624	108,375	105,805	+2.1	+2.4	-0.3	110,525	106,111	103,845	103,111	+7.2
Durables excluding capital goods	127,771	129,018	129,784	-1.0	-0.6	+1.6	124,138	126,147	128,595	121,430	+2.2
iscellaneous series :											
Producers' durable equipment	262,514	262,371	263,630	+0.1	-0.5	+0.6	260,558	261,961	263,526	242,344	+7.5
Household durable goods	5,643	5,577	5,962	+1.2	-6.5	+4.8	4,825	5,042	5,943	4,974	-3.0
Information technology industries	36,846	38,147	38,387	-3.4	-0.6	+4.7	36,564	38,676	38,793	38,243	-4.4
Health care equipment and products	7,623	7,905	7,873	-3.6	+0.4	-3.6	7,622	8,123	8,073	7,527	+1.3
TOTAL INVENTORIES											
ıll manufacturing industries	438,173	439,371	438,134	-0.3	+0.3	+0.3	428,324	439,502	438,813	422,641	+1.3
ırket categories :											
Automotive equipment	7,932	7,926	8,167	+0.1	-3.0	-0.6	7,665	7,995	8,176	7,412	+3.4
Home goods and apparel	32,272	32,206	32,289	+0.2	-0.3	+0.3	30,880	30,858	31,511	31,039	-0.5
Consumer staples	65,101	65,121	64,679	0.0	+0.7	+0.3	64,615	66,318	66,476	63,594	+1.6
Machinery and equipment	111,845	112,785	112,292	-0.8	+0.4	+0.8	108,018	114,123	112,606	102,559	+5.3
Business supplies	26,024	26,223	26,110	-0.8	+0.4	+0.9	24,930	25,994	26,166	25,411	-1.9
Construction materials and supplies	26,182	26,165	26,003	+0.1	+0.6	+0.2	25,705	25,804	25,683	25,898	-0.7
Defense products	18,348	18,768	18,774	-2.2	0.0	0.0	17,672	18,834	18,945	18,643	-5.2
Other materials, supplies and and intermediate products	150,469	150,177	149,820	+0.2	+0.2	+0.1	148,839	149,576	149,250	148,085	+0.5
rable goods industries :											
Nondefense capital goods [3]	105,978	107,348	106,445	-1.3	+0.8	+0.9	102,089	108,703	106,798	97,256	+5.0
Excluding aircraft and parts	70,142	71,688	71,403	-2.2	+0.4	+0.2	67,053	72,275	71,433	68,031	-1.4
Defense capital goods [4]	18,509	18,867	18,950	-1.9	-0.4	-0.3	17,708	18,956	19,173	18,665	-5.1
Durables excluding capital goods	152,261	151,702	151,933	+0.4	-0.2	0.0	149,803	150,908	151,398	147,609	+1.5
scellaneous series :											
Producers' durable equipment	178,491	179,470	179,251	-0.5	+0.1	+0.5	173,088	180,428	179,309	167,839	+3.1
Household durable goods	15,750	15,690	15,613	+0.4	+0.5	+0.4	15,109	15,192	15,377	14,441	+4.6
nformation technology industries	35,265	36,045	36,268	-2.2	-0.6	-0.6	33,465	36,450	36,462	34,500	-3.0
Health care equipment and products	15,903	15,788	15,740	+0.7	+0.3	+0.6	15,511	15,823	15,829	14,766	+5.0

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Dec. 1995	Dec. 96/95
MATERIALS AND SUPPLIES											
All manufacturing industries	142,171	142,808	143,152	-0.4	-0.2	-0.3	142,273	143,081	143,696	145,488	-2.2
Durable goods industries	82,032	82,494	82,585	-0.6	-0.1	-0.9	82,102	83,170	83,215	83,379	-1.5
Stone, clay, and glass products	2,809	2,827	2,825	-0.6	+0.1	+1.4	2,817	2,822	2,830	2,756	+2.2
Primary metals	7,775	7,806	7,772	-0.4	+0.4	0.0	8,055	7,977	7,897	7,760	+3.8
Fabricated metal products	9,761	9,751	9,784	+0.1	-0.3	+1.4	9,934	9,679	9,693	9,487	+4.7
Industrial machinery and equipment	16,629	16,907	16,955	-1.6	-0.3	-4.1	16,294	17,141	17,026	17,694	-7.9
Electronic and other electrical equipment	14,359	14,458	14,414	-0.7	+0.3	+0.1	14,131	14,365	14,578	15,020	-5.9
Transportation equipment	12,491	12,561	12,680	-0.6	-0.9	-0.3	12,452	12,723	12,676	12,165	+2.4
Instruments and related products	7,776	7,649	7,767	+1.7	-1.5	-1.9	7,677	7,598	7,792	7,281	+5.4
Lumber, furniture and miscellaneous durable goods	10,432	10,535	10,388	-1.0	+1.4	-0.7	10,742	10,865	10,723	11,216	-4.2
Nondurable goods industries	60,139	60,314	60,567	-0.3	-0.4	+0.6	60,171	59,911	60,481	62,109	-3.1
Food and kindred products	11,505	11,566	11,617	-0.5	-0.4	+0.4	11,689	11,903	11,995	11,831	-1.2
Tobacco products	4,840	4,732	4,761	+2.3	-0.6	+0.6	5,133	4,502	4,587	4,886	+5.1
Textile mill products	3,062	3,049	3,027	+0.4	+0.7	+2.4	3,027	2,990	2,936	2,971	+1.9
Paper and allied products	7,733	7,746	7,781	-0.2	-0.4	-0.1	7,759	7,735	7,803	8,691	-10.7
Chemicals and allied products	13,017	13,082	13,086	-0.5	0.0	+0.1	12,934	13,026	13,027	12,759	+1.4
Petroleum and coal products	4,215	4,319	4,385	-2.4	-1.5	+1.5	4,057	4,223	4,443	4,043	+0.3
Rubber and plastics products	5,878	5,894	5,928	-0.3	-0.6	+1.0	5,912	5,833	5,841	5,926	-0.2
Apparel, printing and publishing and leather goods	9,889	9,926	9,982	-0.4	-0.6	+0.8	9,660	9,699	9,849	11,002	-12.2
WORK IN PROCESS											
All manufacturing industries	146,931	147,288	146,253	-0.2	+0.7	+1.0	142,098	148,552	147,744	136,213	+4.3
Durable goods industries	120,569	121,045	120,156	-0.4	+0.7	+1.1	116,408	121,834	120,827	111,173	+4.7
Stone, clay, and glass products	1,265	1,266	1,243	-0.1	+1.9	+2.1	1,175	1,168	1,162	1,143	+2.8
Primary metals	9,150	8,985	8,969	+1.8	+0.2	+0.3	9,031	8,813	8,924	8,821	+2.4
Fabricated metal products	7,146	7,172	7,149	-0.4	+0.3	-1.9	6,999	7,127	7,176	7,573	-7.6
Industrial machinery and equipment	24,030	24,032	23,670	0.0	+1.5	+1.5	22,728	24,340	23,865	22,536	+0.9
Electronic and other electrical equipment	15,399	15,651	15,546	-1.6	+0.7	-0.2	14,830	15,629	15,521	14,055	+5.5
Transportation equipment	48,068	48,213	47,583	-0.3	+1.3	+1.9	46,759	49,029	48,091	42,444	+10.2
Instruments and related products	11,034	11,264	11,380	-2.0	-1.0	+2.2	10,540	11,369	11,474	10,101	+4.3
Lumber, furniture and miscellaneous durable goods	4,477	4,462	4,616	+0.3	-3.3	-0.7	4,346	4,359	4,614	4,500	-3.4
Nondurable goods industries	26,362	26,243	26,097	+0.5	+0.6	+0.5	25,690	26,718	26,917	25,040	+2.6
Food and kindred products	4,594	4,680	4,643	-1.8	+0.8	-0.2	4,865	5,110	5,272	4,694	+3.6
Tobacco products	414	334	292	+24.0	+14.4	+20.7	446	495	403	268	+66.4
Textile mill products	2,723	2,693	2,707	+1.1	-0.5	-0.6	2,599	2,668	2,690	2,733	-4.9
Paper and allied products	1,779	1,774	1,775	+0.3	-0.1	-0.1	1,747	1,715	1,709	1,720	+1.6
Chemicals and allied products	6,773	6,585	6,629	+2.9	-0.7	-1.4	6,635	6,550	6,612	6,489	+2.2
Petroleum and coal products	2,612	2,583	2,579	+1.1	+0.2	+2.3	2,457	2,588	2,621	2,276	+8.0
Rubber and plastics products	2,071	2,067	2,047	+0.2	+1.0	-1.2	2,062	2,112	2,080	2,027	+1.7
Apparel, printing and publishing and leather goods	5,396	5,527	5,425	-2.4	+1.9	+3.0	4,879	5,480	5,530	4,833	+1.0
FINISHED GOODS											
All manufacturing industries	149,071	149,275	148,729	-0.1	+0.4	+0.3	143,953	147,869	147,373	140,940	+2.1
Durable goods industries	74,147	74,378	74,587	-0.3	-0.3	+0.6	71,090	73,563	73,327	68,978	+3.1
Stone, clay, and glass products	4,369	4,300	4,239	+1.6	+1.4	-0.7	4,263	4,121	4,052	4,316	-1.2
Primary metals	7,287	7,212	7,060	+1.0	+2.2	-1.1	7,119	7,053	6,877	6,972	+2.1
Fabricated metal products	9,323	9,235	9,199	+1.0	+0.4	+0.7	8,795	8,891	8,857	8,659	+1.6
Industrial machinery and equipment	17,132	17,740	18,037	-3.4	-1.6	+2.0	16,666	17,807	17,697	16,241	+2.6
Electronic and other electrical equipment	11,467	11,492	11,321	-0.2	+1.5	+1.4	10,826	11,407	11,268	10,421	+3.9
Transportation equipment	7,692	7,629	7,924	+0.8	-3.7	-2.0	7,104	7,743	8,017	6,981	+1.8
Instruments and related products	6,068	6,018	6,098	+0.8	-1.3	+0.8	5,905	6,134	6,240	5,819	+1.5
Lumber, furniture and miscellaneous durable goods	10,809	10,752	10,709	+0.5	+0.4	+0.9	10,412	10,407	10,319	9,569	+8.8
Nondurable goods industries	74,924	74,897	74,142	0.0	+1.0	0.0	72,863	74,306	74,046	71,962	+1.3
Food and kindred products	17,171	17,245	17,036	-0.4	+1.2	-0.7	16,931	17,990	17,932	16,821	+0.7
Tobacco products	833	1,006	861	-17.2	+16.8	+14.3	885	1,159	1,014	775	+14.2
Textile mill products	4,335	4,346	4,330	-0.3	+0.4	-0.8	4,056	4,209	4,199	4,159	-2.5
Paper and allied products	6,936	7,017	7,078	-1.2	-0.9	-1.1	6,708	6,852	6,858	6,997	-4.1
Chemicals and allied products	20,048	19,794	19,625	+1.3	+0.9	+0.9	19,900	19,432	19,261	19,065	+4.4
Petroleum and coal products	5,916	5,781	5,624	+2.3	+2.8	-1.3	5,601	5,856	5,709	5,015	+11.7
Rubber and plastics products	7,674	7,617	7,563	+0.7	+0.7	+0.5	7,520	7,339	7,286	7,162	+5.0
Apparel, printing and publishing and leather goods	12,011	12,091	12,025	-0.7	+0.5	-0.1	11,262	11,469	11,787	11,968	-5.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Sept. 1996	Dec. 1996[p]	Nov. 1996[r]	Oct. 1996	Sept. 1996
All manufacturing industries	1.39	1.38	1.39	1.39	2.95	2.94	2.97	2.91
Durable goods industries	1.64	1.63	1.64	1.62	3.54	3.52	3.56	3.50
Stone, clay, and glass products	1.23	1.20	1.16	1.20	1.04	0.98	0.96	1.01
Primary metals	1.60	1.59	1.59	1.61	2.00	2.01	2.07	2.14
Fabricated metal products	1.49	1.47	1.48	1.47	1.45	1.42	1.42	1.39
Industrial machinery and equipment	1.79	1.84	1.84	1.80	2.35	2.42	2.42	2.39
Electronic and other electrical equipment	1.46	1.46	1.50	1.51	1.73	1.85	1.91	1.81
Transportation equipment	1.79	1.75	1.76	1.65	12.87	12.68	13.02	12.18
Instruments and related products	1.98	1.95	2.00	2.00	3.74	3.64	3.67	3.72
Nondurable goods industries	1.10	1.10	1.10	1.11	0.71	0.71	0.69	0.68
Food and kindred products	0.85	0.84	0.84	0.86	(X)	(X)	(X)	(X)
Tobacco products	2.15	2.18	2.05	2.03	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.55	1.56	1.55	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.25	1.26	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.25	1.24	1.23	1.25	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.76	0.76	0.79	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.31	1.31	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1996	Dec.[2] 1991-1995	Dec. 1995-Nov. 1996	Dec.[1] 1996	Dec.[2] 1991-1995	Dec. 1995-Nov. 1996	Dec.[1] 1996	Dec.[2] 1991-1995	Dec. 1995-Nov. 1996	Dec.[1] 1996	Dec.[2] 1991-1995	Dec. 1995-Nov. 1996
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.1	0.1
Durable goods industries	-0.2	0.2	0.2	-0.2	0.4	0.4	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.5	(X)	1.2	0.8	(X)	0.6	0.7	(X)	0.1	0.1
Primary metals	-0.4	0.6	0.4	1.0	1.0	0.9	0.9	0.5	0.4	(X)	0.2	0.1
Fabricated metal products	(X)	0.6	0.4	(X)	0.4	0.5	(X)	0.4	0.4	(X)	0.3	0.2
Industrial machinery and equipment	0.4	0.5	0.6	-0.1	0.5	0.6	-0.2	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.0	0.2	0.3	-0.2	0.3	0.6	-0.1	0.3	0.3	(X)	0.1	0.2
Transportation equipment	-0.4	0.5	0.6	-0.6	1.4	1.2	0.0	0.3	0.2	(X)	0.5	0.3
Instruments and related products	(X)	0.3	0.5	(X)	1.5	0.9	(X)	0.2	0.3	(X)	0.2	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.2	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Chemicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.6	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Capital goods industries :												
Nondefense	0.2	0.4	0.4	0.4	0.6	0.6	0.0	0.2	0.1	(X)	0.5	0.3
Defense	-0.1	1.1	0.8	1.0	6.9	6.4	0.2	0.3	0.4	(X)	0.5	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

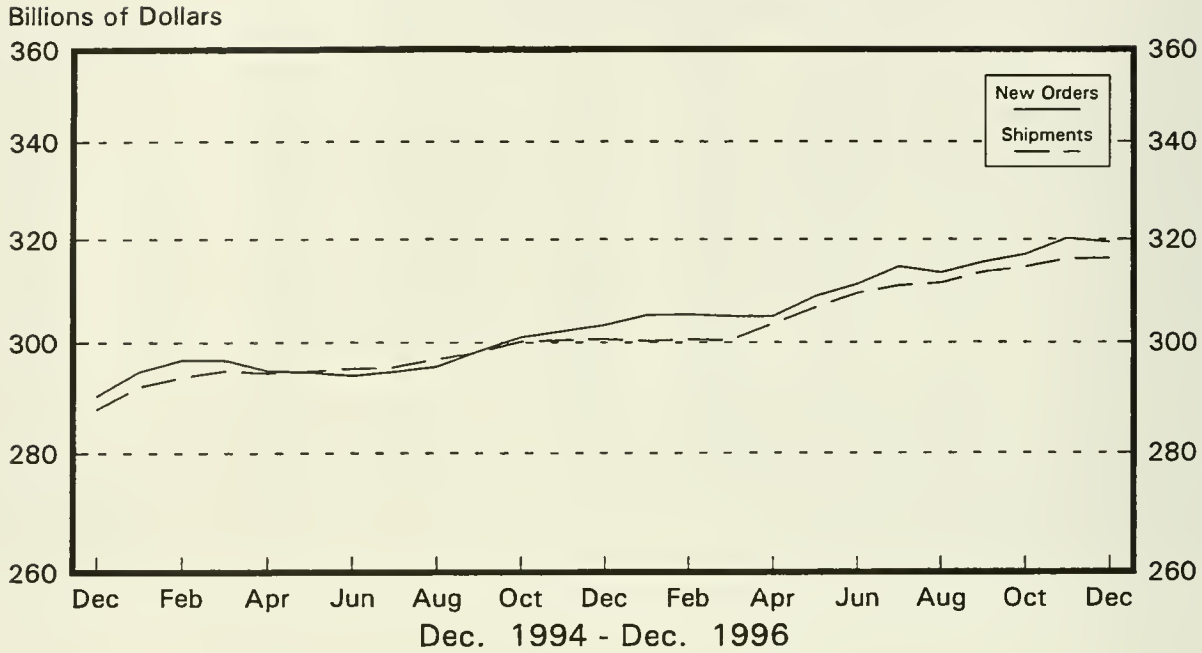
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

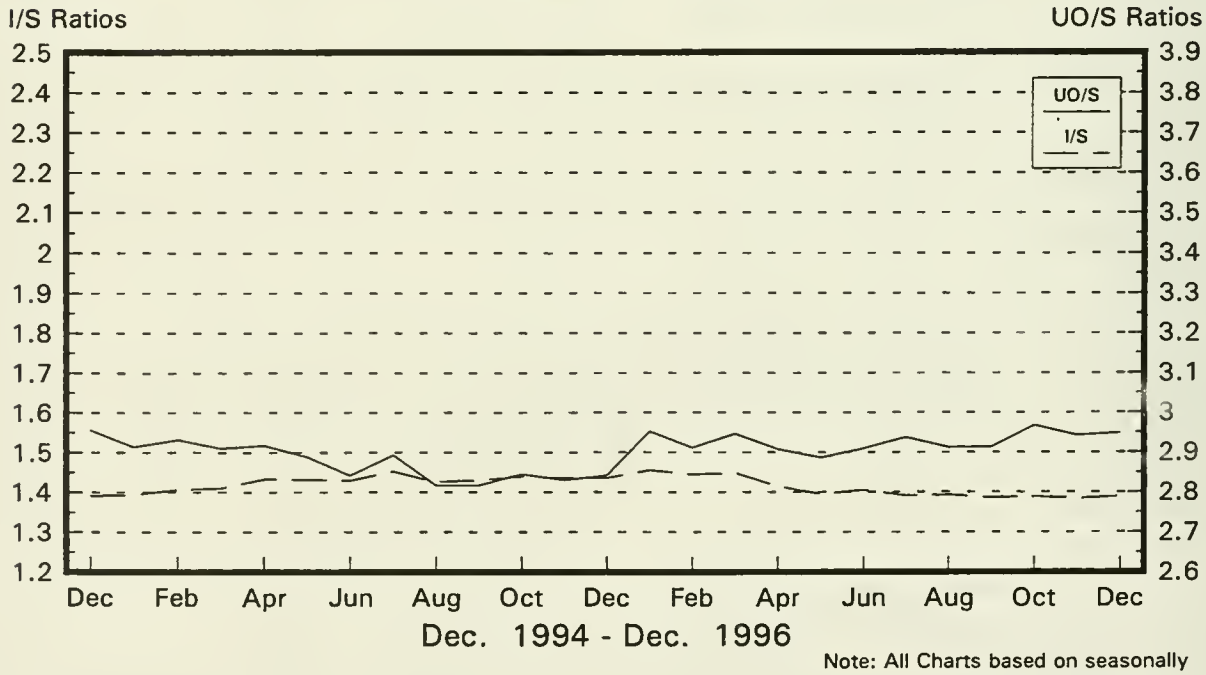
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

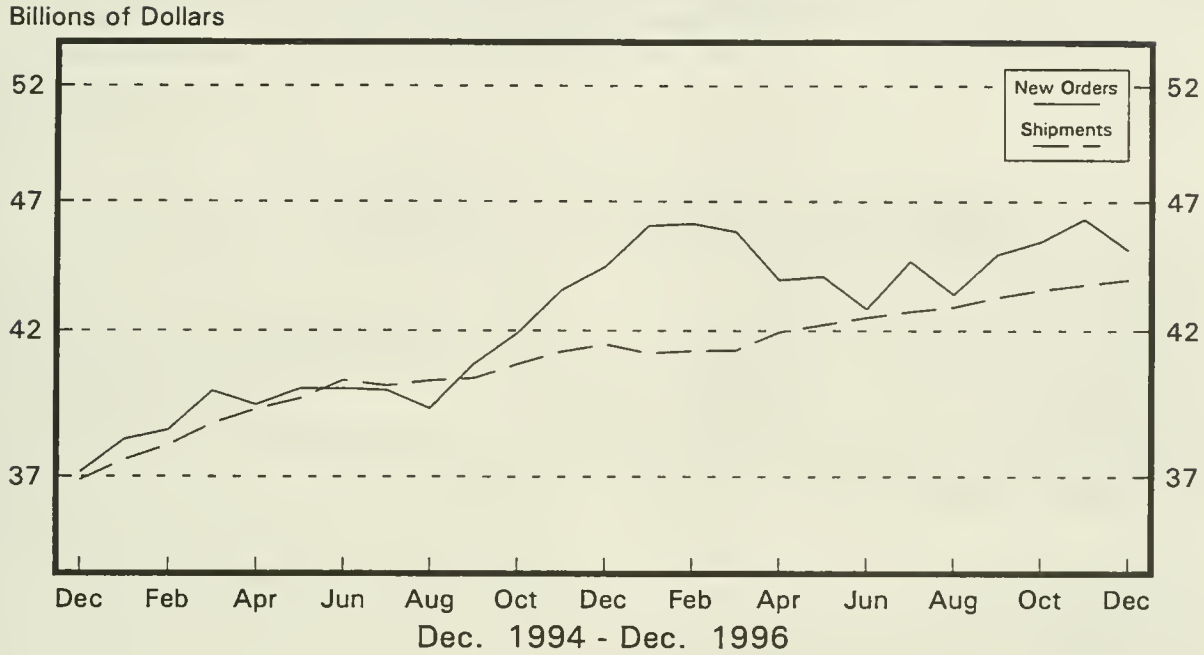
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

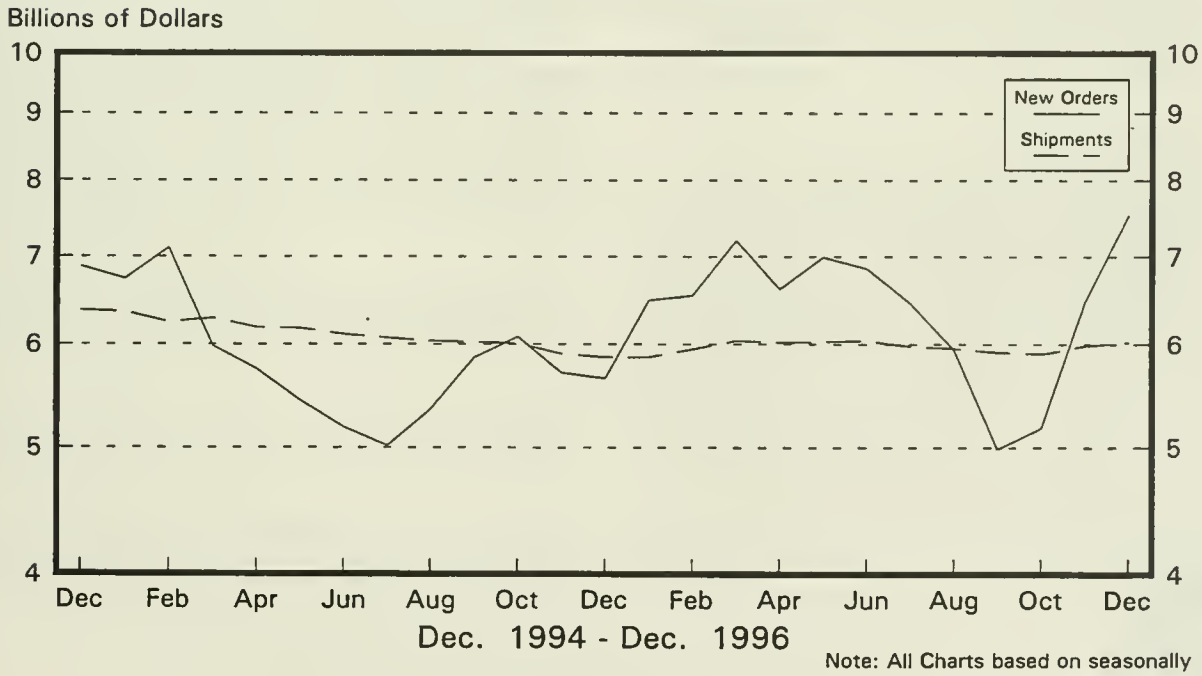
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1997 MONTHLY M3 SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1996	Wed., Jan. 29	Wed., Feb 5
January 1997	Thur., Feb. 27	Thur., Mar. 6
February 1997	Wed., Mar. 26	Wed., Apr. 2
March 1997	Tue., Apr. 29	Tue., May 6
April 1997	Wed., May 28	Wed., June 4
May 1997	Wed., June 25	Wed., July 2
June 1997	Fri., July 25	Fri., Aug. 1
July 1997	Tue., Aug. 26	Thur., Sep. 4
August 1997	Thur., Sept. 25	Thur., Oct. 2
September 1997	Wed., Oct 29	Wed., Nov. 5
October 1997	Wed., Nov. 26 (10:00 AM)	Fri., Dec. 5
November 1997	Tue., Dec. 23 (10:00 AM)	Tue., Jan 6, 1998

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U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

January 1997
M3-1-(97)-01
For Wire Transmissions 10:00 a.m. E.S.T. March 6, 1997

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January increased $7.8 billion or 2.5 percent to $323.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.5 percent December decrease and is the first increase since October. Excluding transportation, new orders increased 2.5 percent, following a 1.6 percent December decrease. This is also the first increase since October.

Shipments, up six of the last seven months, increased $3.4 billion or 1.1 percent to $318.7 billion, following a 0.7 percent December decrease.

Unfilled orders, up for the fifth consecutive month, increased $4.5 billion or 0.9 percent to $518.9 billion, following a $0.1 billion December increase. The unfilled orders-to-shipments ratio was 2.96, up from 2.95 in December.

Inventories, up six of the last seven months, increased $0.2 billion or 0.1 percent to $438.1 billion, following a 0.3 percent December decrease. The inventories-to-shipments ratio was 1.37, down from 1.39 in December.

New Orders

New orders for manufactured durable goods in January increased $6.8 billion or 4.0 percent to $175.7 billion, revised from the previously published 3.6 percent increase. This follows a 1.7 percent December decrease and is the first increase since October.

Electronic and other electrical equipment had the largest increase, $4.0 billion or 16.6 percent to $28.1 billion, mostly due to communication equipment and electronic components. This follows decreases of 13.8 percent in December and 10.3 percent in November. Transportation equipment, up two of the last three months, increased $1.0 billion or 2.5 percent to $42.7 billion, as increases in motor vehicles and parts and aircraft and parts more than offset decreases in shipbuilding and tanks and railroad equipment. This follows a 0.6 percent December decline. Primary metals, up for the third consecutive month, increased $0.8 billion or 5.2 percent to $15.9 billion, following a 4.4 percent December increase. Industrial machinery and equipment, up for the second consecutive month, increased $0.5 billion or 1.6 percent to $32.7 billion. This follows a 2.1 percent December increase. Fabricated metal products, up two of the last three months, increased $0.4 billion or 2.3 percent to $18.0 billion, following a 3.0 percent December decrease.

New orders for nondurable goods, up four of the last five months, increased $1.0 billion or 0.7 percent to $147.5 billion, following a 1.2 percent December decline. Food and kindred products, chemicals and allied products, and rubber and plastic products had the largest increases.

Shipments

Shipments of durable goods in January, up two of the last three months, increased $2.0 billion or 1.2 percent to $170.8 billion, unrevised from the previously published 1.2 percent increase. This follows a 0.8 percent December decrease.

Transportation equipment, up two of the last three months, had the largest increase, $1.6 billion or 4.3 percent to $40.0 billion, due to motor vehicles and parts. This follows a 1.9 percent December decrease. Primary metals, up for the fourth consecutive month, increased $0.4 billion or 2.6 percent to $15.6 billion, following a 0.4 percent December increase. Stone, clay, and glass products, up for the first month since October, increased $0.4 billion or 5.6 percent to $7.2 billion, following a 2.2 percent December decrease. Fabricated metal products, up two of the last three months, increased $0.2 billion or 1.4 percent to $17.8 billion, following a 1.4 percent December decrease. Electronic and other electrical equipment decreased $0.8 billion or 2.8 percent to $27.0 billion, the second consecutive monthly decrease. Industrial machinery and equipment, down three of the last four months, decreased $0.2 billion or 0.6 percent to $32.4 billion, following a 2.2 percent December increase. Shipments of nondurable goods, up four of the last five months, increased $1.4 billion or 0.9 percent to $147.9 billion. This follows a 0.6 percent December decline. Food and kindred products had the largest increase, $0.7 billion or 1.8 percent to $39.4 billion. This follows a 2.5 percent December decline and is the third increase in the last four months.

Unfilled Orders

Unfilled orders for durable goods in January increased $4.9 billion or 1.0 percent to $493.8 billion, revised from the previously published 0.8 percent increase. This follows a $0.2 billion December increase and is the eighth increase in the last nine months.

Transportation equipment, up eight of the last nine months, increased $2.7 billion or 1.1 percent to $255.4 billion, mostly due to aircraft and parts. Electronic and other electrical equipment, up for the first month since October, increased $1.2 billion or 2.4 percent to $50.0 billion, following a 6.9 percent December decrease. Instruments and related products increased $0.4 billion or 1.0 percent to $47.5 billion. This follows a 1.0 percent December increase and is the third consecutive monthly increase. Industrial machinery and equipment, up for the first month since August, increased $0.4 billion or 0.5 percent to $72.4 billion. This follows a 0.5 percent December decline. Primary metals, up for the first month since August, increased $0.3 billion or 1.1 percent to $30.6 billion, following a 0.2 percent December decrease.

Inventories

Inventories of durable goods in January, up six of the last seven months, increased $1.1 billion or 0.4 percent to $277.5 billion. This follows a 0.5 percent December decline. Transportation equipment, up eight of the last nine months, increased $1.0 billion or 1.5 percent to $69.2 billion. This follows a 0.3 percent December decrease. Instruments and related products, up six of the last seven months, increased $0.3 billion or 1.0 percent to $25.3 billion, following a 0.4 percent December increase. Electronic and other electrical equipment, down for the second consecutive month, decreased $0.3 billion or 0.7 percent to $40.9 billion, following a 1.1 percent December decrease. Primary metals, down for the first month since October, decreased $0.3 billion or 1.1 percent to $23.9 billion.

Inventories of nondurable goods, down for the first month since July, decreased $0.9 billion or 0.5 percent to $160.6 billion, following a slight December increase. Tobacco products had the largest decrease, $0.8 billion or 13.4 percent to $5.2 billion.

By stage of fabrication, January finished goods increased 1.0 percent in durables and decreased 0.3 percent in nondurables. Work in progress increased 0.1 percent in durables and 0.1 percent in nondurables. Materials and supplies increased 0.3 percent in durables and declined 1.1 percent in nondurables.

(See Back Page for 1997 Release Dates)
Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for February is scheduled for March 26, 1997 at 8:30 a.m. and the full report on April 2, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan. 97/96	1997[p]	19
All manufacturing industries	318,688	315,278	317,548	+1.1	-0.7	+0.6	288,696	311,489	319,036	270,063	+6.9	288,696	270,
Manufacturing Industries													
with unfilled orders	175,014	174,438	174,804	+0.3	-0.2	+1.4	155,422	179,536	176,855	147,489	+5.4	155,422	147,
without defense capital goods	312,640	309,146	311,353	+1.1	-0.7	+0.5	283,705	304,069	312,614	265,088	+7.0	283,705	265,
Durable goods industries	170,763	168,719	170,144	+1.2	-0.8	+0.8	151,799	170,432	171,293	141,516	+7.3	151,799	141,
With unfilled orders	138,710	138,181	138,737	+0.4	-0.4	+1.4	122,157	144,032	139,754	114,701	+6.5	122,157	114,
Stone, clay, and glass products	7,233	6,849	7,004	+5.6	-2.2	-2.1	6,260	5,907	7,049	5,757	+8.7	6,260	5,
Primary metals	15,552	15,160	15,096	+2.6	+0.4	+0.8	14,847	14,004	14,922	14,101	+5.3	14,847	14,
Blast furnaces, steel mills	6,424	6,277	6,136	+2.3	+2.3	-0.6	6,244	5,725	5,979	5,926	+5.4	6,244	5,
Iron and steel foundries	1,432	1,378	1,393	+3.9	-1.1	-1.6	1,353	1,122	1,378	1,232	+9.8	1,353	1,
Nonferrous and other primary metals	7,696	7,505	7,567	+2.5	-0.8	+2.5	7,250	7,157	7,565	6,943	+4.4	7,250	6,
Fabricated metal products	17,773	17,531	17,785	+1.4	-1.4	+0.6	16,401	16,170	17,738	15,471	+6.0	16,401	15,
Industrial machinery and equipment	32,351	32,559	31,872	-0.6	+2.2	-0.2	27,359	35,720	30,708	25,749	+6.3	27,359	25,
Engines and turbines	1,714	1,709	1,695	+0.3	+0.8	+0.8	1,361	2,458	1,641	1,421	-4.2	1,361	1,
Farm and garden machinery	1,888	1,788	1,925	+5.6	-7.1	0.0	1,699	1,358	1,610	1,628	+4.4	1,699	1,
Construction, mining and material handling equipment	3,682	3,700	3,682	-0.5	+0.5	-0.2	3,340	3,659	3,509	3,168	+5.4	3,340	3,
Metalworking machinery	3,365	3,316	3,341	+1.5	-0.7	+2.7	2,699	3,494	3,675	2,371	+13.8	2,699	2,
Computer and office equipment	9,179	9,164	8,658	+0.2	+5.8	-0.1	6,857	12,376	8,416	5,770	+18.8	6,857	5,
Electronic and other electrical equipment	26,974	27,757	28,407	-2.8	-2.3	+2.9	23,265	30,820	29,469	22,521	+3.3	23,265	22,
Electrical transmission and distribution equipment and industrial apparatus	3,168	3,049	3,375	+3.9	-9.7	+4.4	2,779	2,968	3,281	2,665	+4.3	2,779	2,
Household appliances	2,008	2,060	2,055	-2.5	+0.2	+0.2	1,659	1,946	1,992	1,681	-1.3	1,659	1,
Electric lighting and wiring equipment	2,056	2,076	2,086	-1.0	-0.5	+2.7	1,834	2,153	2,197	1,767	+3.8	1,834	1
Household audio and video equipment	1,299	1,321	1,267	-1.7	+4.3	-0.7	1,038	1,260	1,589	914	+13.6	1,038	
Communications equipment	5,881	6,412	6,631	-8.3	-3.3	+6.2	4,472	9,206	6,808	4,318	+3.6	4,472	4
Electronic components	10,375	10,913	11,040	-4.9	-1.2	+2.2	9,576	11,344	11,287	9,499	+0.8	9,576	9
Transportation equipment	39,978	38,340	39,102	+4.3	-1.9	+0.9	36,251	37,691	40,044	32,649	+11.0	36,251	32
Motor vehicles and parts	28,376	26,118	27,148	+8.6	-3.8	-1.2	27,128	22,578	28,109	24,574	+10.4	27,128	24
Aircraft, missiles, space vehicles, and parts	9,205	9,273	9,151	-0.7	+1.3	+6.9	7,099	12,143	9,216	5,753	+23.4	7,099	5
Shipbuilding and tanks	745	902	785	-17.4	+14.9	+6.2	590	1,157	739	708	-16.7	590	
Instruments and related products	12,829	12,685	12,805	+1.1	-0.9	+1.2	11,495	13,650	13,017	10,874	+5.7	11,495	10
Search and navigation equipment	2,595	2,557	2,594	+1.5	-1.4	+2.8	2,302	2,782	2,710	2,205	+4.4	2,302	2
Measuring and controlling devices	3,828	3,802	3,862	+0.7	-1.6	+0.9	3,495	4,111	3,856	3,324	+5.1	3,495	3
Medical instruments and supplies	4,144	4,114	4,102	+0.7	+0.3	+0.6	3,759	4,497	4,060	3,432	+9.5	3,759	3
Photographic goods	1,807	1,788	1,826	+1.1	-2.1	+0.6	1,518	1,859	1,969	1,596	-4.9	1,518	1
All other durable goods	18,073	17,838	18,073	+1.3	-1.3	0.0	15,921	16,470	18,346	14,394	+10.6	15,921	14
Nondurable goods industries	147,925	146,559	147,404	+0.9	-0.6	+0.5	136,897	141,057	147,743	128,547	+6.5	136,897	128.
With unfilled orders	36,304	36,257	36,067	+0.1	+0.5	+1.3	33,265	35,504	37,101	32,788	+1.5	33,265	32,
Food and kindred products	39,401	38,695	39,668	+1.8	-2.5	+0.4	36,341	38,519	40,506	35,332	+2.9	36,341	35,
Meat products	8,803	8,945	9,219	-1.6	-3.0	+1.5	8,116	8,901	9,311	8,216	-1.2	8,116	8,
Dairy products	5,072	4,987	5,055	+1.7	-1.3	+0.3	4,869	4,854	5,266	4,541	+7.2	4,869	4,
Beverages	5,677	5,722	5,914	-0.8	-3.2	+3.6	4,735	5,350	5,655	4,751	-0.3	4,735	4,
All other foods, except fats and oils	17,796	16,850	17,317	+5.6	-2.7	-1.4	16,568	17,223	18,111	15,884	+4.3	16,568	15,
Tobacco products	3,090	2,895	2,785	+6.7	+3.9	-3.6	2,957	2,907	2,868	2,434	+21.5	2,957	2,
Textile mill products	6,659	6,636	6,505	+0.3	+2.0	+1.1	5,684	6,071	6,599	5,274	+7.8	5,684	5,
Broadwoven fabrics and other textiles	4,022	4,030	3,953	-0.2	+1.9	+1.0	3,523	3,832	3,885	3,373	+4.4	3,523	3,
Paper and allied products	13,339	13,272	13,230	+0.5	+0.3	-0.2	12,783	12,783	13,104	13,217	-3.3	12,783	13,
Pulp, paper, and paperboard mill products	5,215	5,228	5,191	-0.2	+0.7	-2.1	4,991	5,144	5,168	5,562	-10.3	4,991	5,
Paperboard containers and boxes	3,480	3,477	3,443	+0.1	+1.0	+0.9	3,320	3,186	3,353	3,340	-0.6	3,320	3,
Miscellaneous converted paper products	4,644	4,567	4,596	+1.7	-0.6	+1.3	4,472	4,453	4,583	4,315	+3.6	4,472	4,
Chemicals and allied products	32,230	32,005	31,811	+0.7	+0.6	-0.7	30,845	30,825	30,433	28,613	+7.8	30,845	28,
Industrial chemicals	15,796	15,812	15,597	-0.1	+1.4	+0.3	15,085	14,841	15,035	14,356	+5.1	15,085	14,
Drugs, soaps, and toiletries	12,354	12,075	11,955	+2.3	+1.0	-1.5	12,169	12,648	11,892	10,752	+13.2	12,169	10,
Petroleum and coal products	16,579	16,611	16,655	-0.2	-0.3	+0.1	15,213	16,103	16,540	12,331	+23.4	15,213	12,
Rubber and plastics products	11,982	11,774	11,910	+1.8	-1.1	+0.7	11,140	10,466	11,461	10,564	+5.5	11,140	10,
All other nondurable goods	24,645	24,671	24,840	-0.1	-0.7	+3.2	21,934	23,383	26,232	20,782	+5.5	21,934	20,

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan. 97/96	1997[p]	1996
l manufacturing industries	323,200	315,415	320,244	+2.5	-1.5	-0.5	300,031	311,762	319,916	284,983	+5.3	300,031	284,983
ufacturing industries													
h unfilled orders	179,526	174,575	177,500	+2.8	-1.6	-0.7	166,757	179,809	177,735	162,409	+2.7	166,757	162,409
hout defense capital goods	316,770	307,360	311,479	+3.1	-1.3	-1.6	294,583	300,115	311,228	277,978	+6.0	294,583	277,978
ble goods industries	175,666	168,886	171,888	+4.0	-1.7	-1.7	163,190	170,716	171,585	155,694	+4.8	163,190	155,694
h unfilled orders	143,613	138,348	140,481	+3.8	-1.5	-1.7	133,548	144,316	140,046	128,879	+3.6	133,548	128,879
e, clay, and glass products	7,258	7,095	7,032	+2.3	+0.9	-0.5	6,410	6,205	6,938	5,876	+9.1	6,410	5,876
ary metals	15,897	15,114	14,479	+5.2	+4.4	+1.0	16,637	14,729	14,126	15,516	+7.2	16,637	15,516
ast furnaces, steel mills	6,380	6,213	5,858	+2.7	+6.1	-2.7	7,081	5,815	5,634	6,863	+3.2	7,081	6,863
n and steel foundries	1,485	1,527	1,482	-2.8	+3.0	+16.8	1,532	1,336	1,398	1,472	+4.1	1,532	1,472
nferrous and other primary													
etals	8,032	7,374	7,139	+8.9	+3.3	+1.4	8,024	7,578	7,094	7,181	+11.7	8,024	7,181
cated metal products	17,952	17,554	18,102	+2.3	-3.0	+0.4	16,790	16,417	17,702	15,648	+7.3	16,790	15,648
trial machinery and equipment	32,723	32,212	31,543	+1.6	+2.1	-0.9	28,789	34,500	31,188	27,580	+4.4	28,789	27,580
gines and turbines	1,711	1,715	1,841	-0.2	-6.8	-2.3	1,211	2,389	1,970	1,439	-15.8	1,211	1,439
nstruction, mining and													
aterial handling equipment	3,801	3,827	3,680	-0.7	+4.0	+11.6	3,896	3,753	3,515	3,429	+13.6	3,896	3,429
talworking machinery	3,527	2,946	3,049	+19.7	-3.4	-5.6	2,861	3,124	3,383	2,553	+12.1	2,861	2,553
mputer and office equipment	9,158	9,475	8,583	-3.3	+10.4	-3.0	6,663	11,908	8,488	5,552	+20.0	6,663	5,552
onic and other													
trical equipment	28,139	24,134	28,012	+16.6	-13.8	-10.3	26,951	25,636	28,320	24,869	+8.4	26,951	24,869
ctrical transmission and													
stribution equipment and													
dustrial apparatus	3,190	3,072	3,487	+3.8	-11.9	+6.7	3,021	2,849	3,376	2,668	+13.2	3,021	2,668
ctric lighting and													
iring equipment	2,188	2,213	2,023	-1.1	+9.4	-3.6	1,966	2,290	2,134	1,881	+4.5	1,966	1,881
mmunications equipment	6,124	4,323	6,601	+41.7	-34.5	-12.8	4,682	7,133	6,719	4,796	-2.4	4,682	4,796
ctronic components	10,889	9,121	10,600	+19.4	-14.0	-18.4	11,872	8,347	10,213	10,624	+11.7	11,872	10,624
portation equipment	42,691	41,667	41,933	+2.5	-0.6	+0.8	39,562	42,518	42,660	40,349	-2.0	39,562	40,349
rcraft, missiles,													
pace vehicles, and parts.	11,834	11,161	11,622	+6.0	-4.0	-4.6	9,965	15,524	11,554	12,150	-18.0	9,965	12,150
ipbuilding and tanks	710	2,102	1,281	-66.2	+64.1	+288.2	628	2,261	1,146	1,663	-62.2	628	1,663
ments and related products	13,279	13,144	12,955	+1.0	+1.5	+4.1	12,006	14,699	13,001	11,039	+8.8	12,006	11,039
rch and navigation equipment	2,506	2,678	2,723	-6.4	-1.7	+9.2	2,084	3,698	2,727	2,069	+0.7	2,084	2,069
asuring and controlling devices	4,076	4,299	3,823	-5.2	+12.5	-2.3	3,743	4,608	3,817	3,571	+4.8	3,743	3,571
dical instruments and supplies	4,440	3,852	4,133	+15.3	-6.8	+9.2	4,246	4,017	4,109	3,547	+19.7	4,246	3,547
her durable goods	17,727	17,966	17,832	-1.3	+0.8	-3.0	16,045	16,012	17,650	14,817	+8.3	16,045	14,817
urable goods industries	147,534	146,529	148,356	+0.7	-1.2	+0.9	136,841	141,046	148,331	129,289	+5.8	136,841	129,289
h unfilled orders	35,913	36,227	37,019	-0.9	-2.1	+3.1	33,209	35,493	37,689	33,530	-1.0	33,209	33,530

'reliminary. ' Revised.

hipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar se from the prior month to the current month.

te : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further s on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), ufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Per cha
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	97
All manufacturing industries	518,910	514,398	514,261	+0.9	0.0	+0.5	520,098	508,763	508,490	489,395	+
Manufacturing industries without defense capital goods	408,230	404,100	405,886	+1.0	-0.4	0.0	409,303	398,425	402,379	384,254	+
Durable goods industries	493,817	488,914	488,747	+1.0	0.0	+0.4	495,806	484,415	484,131	465,893	+
Stone, clay, and glass products	6,788	6,763	6,517	+0.4	+3.8	+0.4	6,654	6,504	6,206	6,881	-
Primary metals	30,610	30,265	30,311	+1.1	-0.2	-2.0	31,005	29,215	28,490	29,690	+
Blast furnaces, steel mills	12,390	12,434	12,498	-0.4	-0.5	-2.2	12,588	11,751	11,661	12,615	-
Iron and steel foundries	4,483	4,430	4,281	+1.2	+3.5	+2.1	4,501	4,322	4,108	3,810	+1
Nonferrous and other primary metals	13,737	13,401	13,532	+2.5	-1.0	-3.1	13,916	13,142	12,721	13,265	+
Fabricated metal products	23,843	23,664	23,641	+0.8	+0.1	+1.4	23,772	23,383	23,136	21,498	+1
Industrial machinery and equipment	72,409	72,037	72,384	+0.5	-0.5	-0.5	73,401	71,971	73,191	72,395	+
Engines and turbines	11,304	11,307	11,301	0.0	+0.1	+1.3	11,663	11,813	11,882	11,453	+
Construction, mining and material handling equipment	9,287	9,168	9,041	+1.3	+1.4	0.0	9,510	8,954	8,860	8,944	+
Metalworking machinery	8,675	8,513	8,883	+1.9	-4.2	-3.2	8,675	8,513	8,883	8,649	+
Computer and office equipment	10,353	10,374	10,063	-0.2	+3.1	-0.7	9,929	10,123	10,591	9,558	+
Electronic and other electrical equipment	49,976	48,811	52,434	+2.4	-6.9	-0.7	50,887	47,201	52,385	51,333	-
Electrical transmission and distribution equipment and industrial apparatus	6,467	6,445	6,422	+0.3	+0.4	+1.8	6,526	6,284	6,403	6,064	+
Electric lighting and wiring equipment	4,601	4,469	4,332	+3.0	+3.2	-1.4	4,601	4,469	4,332	4,044	+1
Communications equipment	13,572	13,329	15,418	+1.8	-13.5	-0.2	13,530	13,320	15,393	14,982	-
Electronic components	20,908	20,394	22,186	+2.5	-8.1	-1.9	21,556	19,260	22,257	21,916	-
Transportation equipment	255,372	252,659	249,332	+1.1	+1.3	+1.1	255,377	252,066	247,239	228,861	+1
Aircraft, missiles, space vehicles, and parts	224,069	221,440	219,552	+1.2	+0.9	+1.1	223,978	221,112	217,731	197,451	+1
Shipbuilding and tanks	18,034	18,069	16,869	-0.2	+7.1	+3.0	17,952	17,914	16,810	17,942	+
Instruments and related products	47,492	47,042	46,583	+1.0	+1.0	+0.3	47,885	47,374	46,325	48,314	-
Search and navigation equipment	28,126	28,215	28,094	-0.3	+0.4	+0.5	28,374	28,592	27,676	29,657	-
Measuring and controlling devices	10,376	10,128	9,631	+2.4	+5.2	-0.4	10,376	10,128	9,631	10,351	+
Medical instruments and supplies	7,908	7,612	7,874	+3.9	-3.3	+0.4	8,098	7,611	8,091	7,616	+
All other durable goods	7,327	7,673	7,545	-4.5	+1.7	-3.1	6,825	6,701	7,159	6,921	-
Nondurable goods industries	25,093	25,484	25,514	-1.5	-0.1	+3.9	24,292	24,348	24,359	23,502	+

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan. 97/96
manufacturing industries	438,148	437,922	439,371	+0.1	-0.3	+0.3	436,670	428,193	439,502	433,242	+0.8
facturing industries											
unfilled orders	294,669	293,761	295,807	+0.3	-0.7	+0.5	292,535	285,159	295,629	290,216	+0.8
ut defense capital goods	418,998	419,366	420,504	-0.1	-0.3	+0.3	418,011	410,468	420,546	414,466	+0.9
le goods industries	277,527	276,439	277,917	+0.4	-0.5	+0.2	276,575	269,306	278,567	271,717	+1.8
unfilled orders	255,385	254,458	256,140	+0.4	-0.7	+0.5	253,852	247,368	256,548	248,892	+2.0
clay, and glass products	8,508	8,432	8,393	+0.9	+0.5	+1.0	8,482	8,201	8,111	8,398	+1.0
ry metals	23,887	24,160	24,003	-1.1	+0.7	+0.8	23,981	24,196	23,843	23,719	+1.1
st furnaces, steel mills	12,034	12,218	12,142	-1.5	+0.6	+1.4	12,263	12,486	12,212	11,803	+3.9
and steel foundries	1,495	1,494	1,492	+0.1	+0.1	+0.6	1,474	1,461	1,457	1,368	+7.7
nferrous and other primary etals	10,358	10,448	10,369	-0.9	+0.8	+0.3	10,244	10,249	10,174	10,548	-2.9
ated metal products	26,359	26,196	26,158	+0.6	+0.1	+0.1	26,237	25,708	25,697	26,063	+0.7
rial machinery and equipment	57,767	57,635	58,679	+0.2	-1.8	0.0	57,740	55,557	59,288	59,147	-2.4
ines and turbines	3,818	3,894	3,964	-2.0	-1.8	+2.1	3,632	3,654	4,168	3,725	-2.5
n and garden machinery	2,858	2,785	2,624	+2.6	+6.1	-5.3	3,164	2,943	2,664	3,140	+0.8
nstruction, mining and terial handling equipment	7,357	7,340	7,420	+0.2	-1.1	+0.8	7,364	7,146	7,379	7,117	+3.5
alworking machinery	6,928	6,968	7,145	-0.6	-2.5	-0.4	6,817	6,582	7,105	6,968	-2.2
nputer and office equipment	11,647	11,760	12,286	-1.0	-4.3	-1.0	11,659	10,947	12,705	13,814	-15.6
onic and other rical equipment	40,872	41,153	41,601	-0.7	-1.1	+0.8	40,547	39,726	41,401	40,965	-1.0
trical transmission and tribution equipment and ustrial apparatus	4,812	4,818	4,798	-0.1	+0.4	+1.1	4,755	4,684	4,898	4,917	-3.3
sehold appliances	2,742	2,765	2,831	-0.8	-2.3	-0.4	2,737	2,541	2,720	2,678	+2.2
tric lighting and ring equipment	3,331	3,320	3,315	+0.3	+0.2	+0.5	3,264	3,152	3,300	3,360	-2.9
sehold audio and eo equipment	1,577	1,565	1,559	+0.8	+0.4	+2.5	1,514	1,438	1,462	1,560	-2.9
nmunications equipment	11,303	11,265	11,548	+0.3	-2.5	+1.2	11,273	10,780	11,464	10,713	+5.2
tronic components	13,566	13,850	13,893	-2.1	-0.3	+0.5	13,566	13,713	13,998	14,273	-5.0
ortation equipment	69,218	68,175	68,403	+1.5	-0.3	+0.3	68,906	66,227	69,495	64,070	+7.5
or vehicles and parts	15,644	15,635	15,500	+0.1	+0.9	-2.2	15,765	15,308	15,721	15,653	+0.7
raft, missiles, ace vehicles, and parts	48,547	47,617	47,735	+2.0	-0.2	+1.2	48,121	46,131	48,609	43,407	+10.9
building and tanks	1,923	1,906	1,943	+0.9	-1.9	+2.4	1,914	1,838	1,930	1,790	+6.9
nents and related products	25,288	25,036	24,931	+1.0	+0.4	-1.2	24,735	24,276	25,101	23,564	+5.0
ch and navigation equipment	6,872	6,737	6,723	+2.0	+0.2	-2.1	6,717	6,565	6,771	6,161	+9.0
suring and controlling devices	8,145	8,120	7,907	+0.3	+2.7	-1.8	8,023	7,897	7,921	7,603	+5.5
lical instruments and supplies	7,574	7,485	7,432	+1.2	+0.7	+0.2	7,453	7,316	7,518	7,004	+6.4
tographic goods	2,048	2,051	2,233	-0.1	-8.2	-1.4	1,905	1,857	2,251	2,198	-13.3
ner durable goods	25,628	25,652	25,749	-0.1	-0.4	+0.1	25,947	25,415	25,631	25,791	+0.6
rable goods industries	160,621	161,483	161,454	-0.5	0.0	+0.4	160,095	158,887	160,935	161,525	-0.9
unfilled orders	39,284	39,303	39,667	0.0	-0.9	+0.5	38,683	37,791	39,081	41,324	-6.4
and kindred products	33,135	33,285	33,491	-0.5	-0.6	+0.6	33,526	33,577	35,003	33,424	+0.3
t products	3,974	4,043	4,062	-1.7	-0.5	-0.3	3,910	3,838	4,035	3,979	-1.7
y products	2,797	2,908	2,927	-3.8	-0.6	-4.4	2,730	2,804	2,870	2,722	+0.3
erages	6,263	6,217	6,212	+0.7	+0.1	-1.3	6,225	6,123	6,298	6,117	+1.8
other foods, except fats and oils	17,870	18,013	17,948	-0.8	+0.4	+1.0	18,245	18,602	19,295	18,493	-1.3
co products	5,229	6,036	6,072	-13.4	-0.6	+2.7	5,564	6,464	6,156	6,095	-8.7
mill products	10,080	10,069	10,088	+0.1	-0.2	+0.2	10,056	9,620	9,867	10,237	-1.8
adwoven fabrics and ner textiles	6,023	6,017	6,018	+0.1	0.0	+0.7	6,035	5,785	5,950	6,120	-1.4
and allied products	16,364	16,478	16,537	-0.7	-0.4	-0.6	16,364	16,273	16,302	17,602	-7.0
, paper, and perboard mill products	6,697	6,760	6,839	-0.9	-1.2	-0.9	6,764	6,694	6,783	7,307	-7.4
erboard containers and boxes	4,057	4,045	3,992	+0.3	+1.3	-0.6	4,057	4,032	3,897	4,532	-10.5
cellaneous converted per products	5,610	5,673	5,706	-1.1	-0.6	-0.1	5,543	5,547	5,622	5,763	-3.8
icals and allied products	39,705	39,819	39,461	-0.3	+0.9	+0.3	39,601	39,529	39,008	38,606	+2.6
strial chemicals	19,262	19,286	19,087	-0.1	+1.0	+0.2	19,493	19,421	18,856	18,946	+2.9
gs, soaps, and toiletries	15,324	15,487	15,372	-1.1	+0.7	+0.4	14,788	15,090	15,279	14,648	+1.0
eum and coal products	13,085	12,910	12,683	+1.4	+1.8	+0.8	12,662	12,251	12,667	11,626	+8.9
r and plastics products	15,744	15,664	15,578	+0.5	+0.6	+0.3	15,873	15,528	15,284	15,341	+3.5
her nondurable goods	27,279	27,222	27,544	+0.2	-1.2	+0.4	26,449	25,645	26,648	28,594	-7.5

reliminary. [r] Revised.

e note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan. 97/96	1997[p]	199
SHIPMENTS													
All manufacturing industries	318,688	315,278	317,548	+1.1	-0.7	+0.6	288,696	311,489	319,036	270,063	+6.9	288,696	270,0
Market categories :													
Automotive equipment	14,218	13,375	13,893	+6.3	-3.7	-1.3	13,381	11,534	14,363	12,264	+9.1	13,381	12,2
Home goods and apparel	18,996	19,114	19,244	-0.6	-0.7	+1.9	15,989	16,717	20,347	14,699	+8.8	15,989	14,6
Consumer staples	68,400	67,320	68,046	+1.6	-1.1	0.0	63,845	67,595	68,874	58,985	+8.2	63,845	58,9
Machinery and equipment	56,315	56,766	56,674	-0.8	+0.2	+1.0	47,688	63,322	56,449	43,837	+8.8	47,688	43,8
Business supplies	25,333	25,192	25,288	+0.6	-0.4	+1.4	23,243	24,437	25,792	21,739	+6.9	23,243	21,7
Construction materials and supplies	19,814	19,372	19,584	+2.3	-1.1	-0.6	17,462	17,568	19,475	16,241	+7.5	17,462	16,2
Defense products	6,357	6,519	6,527	-2.5	-0.1	+9.3	5,358	7,640	6,658	5,362	-0.1	5,358	5,3
Other materials, supplies and and intermediate products	109,255	107,620	108,292	+1.5	-0.6	+0.5	101,730	102,676	107,078	96,936	+4.9	101,730	96,9
Durable goods industries :													
Nondefense capital goods [3]	43,508	44,612	43,945	-2.5	+1.5	+1.9	35,352	53,380	43,206	32,492	+8.8	35,352	32,4
Excluding aircraft and parts	37,577	38,567	38,132	-2.6	+1.1	+1.6	30,862	45,253	37,450	29,226	+5.6	30,862	29,2
Defense capital goods [4]	6,048	6,132	6,195	-1.4	-1.0	+9.2	4,991	7,420	6,422	4,975	+0.3	4,991	4,9
Durables excluding capital goods	121,207	117,975	120,004	+2.7	-1.7	0.0	111,456	109,632	121,665	104,049	+7.1	111,456	104,0
Miscellaneous series :													
Producers' durable equipment	109,418	107,632	108,968	+1.7	-1.2	+0.6	96,632	110,163	109,883	89,402	+8.1	96,632	89,4
Household durable goods	9,220	9,450	9,423	-2.4	+0.3	+0.4	7,725	8,860	10,097	7,224	+6.9	7,725	7,2
Information technology industries	21,300	21,686	21,482	-1.8	+0.9	+1.8	16,892	27,941	21,541	15,473	+9.2	16,892	15,4
Health care equipment and products	10,858	10,677	10,604	+1.7	+0.7	-0.7	10,365	11,349	10,525	9,274	+11.8	10,365	9,2
NEW ORDERS													
All manufacturing industries	323,200	315,415	320,244	+2.5	-1.5	-0.5	300,031	311,762	319,916	284,983	+5.3	300,031	284,9
Market categories :													
Automotive equipment	14,271	13,375	13,898	+6.7	-3.8	-1.1	13,536	11,531	14,364	12,370	+9.4	13,536	12,3
Home goods and apparel	18,406	18,997	19,043	-3.1	-0.2	-1.1	16,523	16,163	19,270	15,738	+5.0	16,523	15,7
Consumer staples	68,460	67,364	68,163	+1.6	-1.2	+0.3	63,893	67,634	68,996	59,025	+8.2	63,893	59,0
Machinery and equipment	58,990	56,069	55,797	+5.2	+0.5	-5.1	51,786	61,463	55,882	51,295	+1.0	51,786	51,2
Business supplies	25,311	25,239	25,409	+0.3	-0.7	+2.1	23,288	24,496	25,863	21,854	+6.6	23,288	21,8
Construction materials and supplies	20,042	19,815	19,500	+1.1	+1.6	-0.6	17,853	18,107	19,201	16,444	+8.6	17,853	16,4
Defense products	6,681	8,304	9,251	-19.5	-10.2	+57.7	5,564	11,878	9,188	7,131	-22.0	5,564	7,1
Other materials, supplies and and intermediate products	111,039	106,252	109,183	+4.5	-2.7	-2.0	107,588	100,490	107,152	101,126	+6.4	107,588	101,1
Durable goods industries :													
Nondefense capital goods [3]	46,205	43,869	43,885	+5.3	0.0	-7.6	39,398	51,605	43,680	40,274	-2.2	39,398	40,2
Excluding aircraft and parts	38,160	36,739	37,584	+3.9	-2.2	-2.2	32,794	42,393	37,436	31,838	+3.0	32,794	31,8
Defense capital goods [4]	6,430	8,055	8,765	-20.2	-8.1	+63.3	5,448	11,647	8,688	7,005	-22.2	5,448	7,0
Durables excluding capital goods	123,031	116,962	119,238	+5.2	-1.9	-2.3	118,344	107,464	119,217	108,415	+9.2	118,344	108,4
Miscellaneous series :													
Producers' durable equipment	112,159	107,911	107,709	+3.9	+0.2	-2.0	102,409	108,669	108,318	97,808	+4.7	102,409	97,8
Household durable goods	8,897	9,559	9,038	-6.9	+5.8	-6.4	8,191	8,627	9,196	7,922	+3.4	8,191	7,9
Information technology industries	21,853	20,537	21,242	+6.4	-3.3	-6.9	17,259	26,001	21,424	16,002	+7.9	17,259	16,0
Health care equipment and products	11,155	10,415	10,636	+7.1	-2.1	+2.4	10,851	10,868	10,575	9,388	+15.6	10,851	9,3

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan. 97/96
UNFILLED ORDERS											
ll manufacturing industries	518,910	514,398	514,261	+0.9	0.0	+0.5	520,098	508,763	508,490	489,395	+6.3
rket categories :											
utomotive equipment	1,976	1,923	1,923	+2.8	0.0	+0.3	2,029	1,875	1,877	2,023	+0.3
ome goods and apparel	8,704	9,295	9,412	-6.4	-1.2	-2.1	8,154	7,620	8,174	8,649	-5.7
onsumer staples	2,143	2,083	2,039	+2.9	+2.2	+6.0	2,147	2,099	2,060	1,865	+15.1
achinery and equipment	232,440	229,765	230,462	+1.2	-0.3	-0.4	232,889	228,790	230,649	216,318	+7.7
usiness supplies	6,614	6,636	6,589	-0.3	+0.7	+1.9	6,533	6,488	6,429	6,350	+2.9
onstruction materials and supplies	16,458	16,230	15,786	+1.4	+2.8	-0.5	16,311	15,921	15,381	15,480	+5.4
efense products	105,719	105,396	103,611	+0.3	+1.7	+2.7	105,851	105,644	101,406	100,140	+5.7
ther materials, supplies and and intermediate products	144,856	143,070	144,439	+1.2	-0.9	+0.6	146,184	140,326	142,514	138,570	+5.5
able goods industries :											
ondefense capital goods [3]	253,308	250,611	251,354	+1.1	-0.3	0.0	254,144	250,098	251,873	234,956	+8.2
Excluding aircraft and parts	96,440	95,857	97,685	+0.6	-1.9	-0.6	97,276	95,344	98,204	97,936	-0.7
efense capital goods [4]	110,680	110,298	108,375	+0.3	+1.8	+2.4	110,795	110,338	106,111	105,141	+5.4
urables excluding capital goods	129,829	128,005	129,018	+1.4	-0.8	-0.6	130,867	123,979	126,147	125,796	+4.0
cellaneous series :											
roducers' durable equipment	265,391	262,650	262,371	+1.0	+0.1	-0.5	266,244	260,467	261,961	250,750	+6.2
ousehold durable goods	5,363	5,686	5,577	-5.7	+2.0	-6.5	5,275	4,809	5,042	5,672	-7.0
nformation technology industries	37,551	36,998	38,147	+1.5	-3.0	-0.6	37,103	36,736	38,676	38,772	-4.3
lealth care equipment and products	7,940	7,643	7,905	+3.9	-3.3	+0.4	8,127	7,641	8,123	7,641	+6.4
TOTAL INVENTORIES											
ll manufacturing industries	438,148	437,922	439,371	+0.1	-0.3	+0.3	436,670	428,193	439,502	433,242	+0.8
rket categories :											
utomotive equipment	7,914	7,888	7,926	+0.3	-0.5	-3.0	7,923	7,626	7,995	7,776	+1.9
ome goods and apparel	32,127	32,102	32,206	+0.1	-0.3	-0.3	31,823	30,636	30,858	32,294	-1.5
onsumer staples	64,035	65,079	65,121	-1.6	-0.1	+0.7	63,739	64,746	66,318	64,171	-0.7
achinery and equipment	112,465	111,648	112,785	+0.7	-1.0	+0.4	111,956	107,771	114,123	107,469	+4.2
usiness supplies	26,169	26,062	26,223	+0.4	-0.6	+0.4	25,682	24,957	25,994	25,955	-1.1
onstruction materials and supplies	26,191	26,198	26,165	0.0	+0.1	+0.6	26,223	25,672	25,804	26,385	-0.6
efense products	18,976	18,390	18,768	+3.2	-2.0	0.0	18,572	17,691	18,834	18,644	-0.4
ther materials, supplies and and intermediate products	150,271	150,555	150,177	-0.2	+0.3	+0.2	150,752	149,094	149,576	150,548	+0.1
able goods industries :											
ondefense capital goods [3]	106,594	106,010	107,348	+0.6	-1.2	+0.8	106,025	102,159	108,703	101,829	+4.1
Excluding aircraft and parts	70,337	70,145	71,688	+0.3	-2.2	+0.4	69,804	67,123	72,275	71,154	-1.9
efense capital goods [4]	19,150	18,556	18,867	+3.2	-1.6	-0.4	18,659	17,725	18,956	18,776	-0.6
urables excluding capital goods	151,783	151,873	151,702	-0.1	+0.1	-0.2	151,891	149,422	150,908	151,112	+0.5
cellaneous series :											
roducers' durable equipment	179,329	178,325	179,470	+0.6	-0.6	+0.1	178,668	172,934	180,428	174,039	+2.7
ousehold durable goods	15,662	15,638	15,690	+0.2	-0.3	+0.5	15,590	14,984	15,192	15,083	+3.4
nformation technology industries	35,408	35,357	36,045	+0.1	-1.9	-0.6	35,106	33,604	36,450	36,437	-3.7
lealth care equipment and products	15,906	15,903	15,788	0.0	+0.7	+0.3	15,501	15,520	15,823	14,975	+3.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Jan. 1996	Jan 97/9
MATERIALS AND SUPPLIES											
All manufacturing industries	141,824	142,253	142,808	-0.3	-0.4	-0.2	142,665	142,322	143,081	147,162	-3
Durable goods industries	82,320	82,107	82,494	+0.3	-0.5	-0.1	83,044	82,067	83,170	84,821	-2
Stone, clay, and glass products	2,803	2,801	2,827	+0.1	-0.9	+0.1	2,805	2,792	2,822	2,785	+0
Primary metals	7,828	7,799	7,806	+0.4	-0.1	+0.4	7,969	8,064	7,977	7,655	+4
Fabricated metal products	9,807	9,752	9,751	+0.6	0.0	-0.3	9,892	9,924	9,679	9,600	+3
Industrial machinery and equipment	16,629	16,670	16,907	-0.2	-1.4	-0.3	16,635	16,303	17,141	18,194	-8
Electronic and other electrical equipment	14,027	14,295	14,458	-1.9	-1.1	+0.3	14,019	14,094	14,365	15,170	-7
Transportation equipment	12,855	12,526	12,561	+2.6	-0.3	-0.9	12,963	12,432	12,723	12,731	+1
Instruments and related products	7,884	7,845	7,649	+0.5	+2.6	-1.5	7,897	7,746	7,598	7,495	+5
Lumber, furniture and miscellaneous durable goods	10,487	10,419	10,535	+0.7	-1.1	+1.4	10,864	10,712	10,865	11,191	-2
Nondurable goods industries	59,504	60,146	60,314	-1.1	-0.3	-0.4	59,621	60,255	59,911	62,341	-4
Food and kindred products	11,446	11,501	11,566	-0.5	-0.6	-0.4	11,718	11,726	11,903	11,932	-1
Tobacco products	4,091	4,779	4,732	-14.4	+1.0	-0.6	4,297	5,133	4,502	4,992	-13
Textile mill products	3,104	3,069	3,049	+1.1	+0.7	+0.7	3,115	3,028	2,990	3,008	+3
Paper and allied products	7,755	7,762	7,746	-0.1	+0.2	-0.4	7,729	7,797	7,735	8,480	-8
Chemicals and allied products	13,069	13,080	13,082	-0.1	0.0	0.0	13,013	13,036	13,026	12,813	+1
Petroleum and coal products	4,423	4,345	4,319	+1.8	+0.6	-1.5	4,237	4,178	4,223	4,045	+4
Rubber and plastics products	5,960	5,923	5,894	+0.6	+0.5	-0.6	5,969	5,951	5,833	5,864	+1
Apparel, printing and publishing and leather goods	9,656	9,687	9,926	-0.3	-2.4	-0.6	9,543	9,406	9,699	11,207	-14
WORK IN PROCESS											
All manufacturing industries	146,829	146,669	147,288	+0.1	-0.4	+0.7	145,621	141,985	148,552	140,754	+3
Durable goods industries	120,615	120,476	121,045	+0.1	-0.5	+0.7	119,448	116,501	121,834	114,862	+4
Stone, clay, and glass products	1,274	1,261	1,266	+1.0	-0.4	+1.9	1,239	1,166	1,168	1,193	+3
Primary metals	8,937	9,116	8,985	-2.0	+1.5	+0.2	8,883	9,033	8,813	8,941	-0
Fabricated metal products	7,238	7,148	7,172	+1.3	-0.3	+0.3	7,184	6,995	7,127	7,489	-4
Industrial machinery and equipment	23,740	23,941	24,032	-0.8	-0.4	+1.5	23,440	22,673	24,340	23,545	-0
Electronic and other electrical equipment	15,095	15,327	15,651	-1.5	-2.1	+0.7	14,996	14,805	15,629	14,901	+0
Transportation equipment	48,423	47,937	48,213	+1.0	-0.6	+1.3	48,151	46,707	49,029	43,824	+9
Instruments and related products	11,422	11,273	11,264	+1.3	+0.1	-1.0	11,098	10,793	11,369	10,323	+7
Lumber, furniture and miscellaneous durable goods	4,486	4,473	4,462	+0.3	+0.2	-3.3	4,457	4,329	4,359	4,646	-4
Nondurable goods industries	26,214	26,193	26,243	+0.1	-0.2	+0.6	26,173	25,484	26,718	25,892	+1
Food and kindred products	4,566	4,540	4,680	+0.6	-3.0	+0.8	4,775	4,788	5,110	4,662	+2
Tobacco products	250	418	334	-40.2	+25.1	+14.4	268	446	495	295	-9
Textile mill products	2,655	2,694	2,693	-1.4	0.0	-0.5	2,660	2,572	2,668	2,870	-7
Paper and allied products	1,775	1,795	1,774	-1.1	+1.2	-0.1	1,782	1,773	1,715	1,800	-1
Chemicals and allied products	6,782	6,774	6,585	+0.1	+2.9	-0.7	6,739	6,636	6,550	6,660	+1
Petroleum and coal products	2,697	2,628	2,583	+2.6	+1.7	+0.2	2,640	2,459	2,588	2,414	+9
Rubber and plastics products	2,049	2,042	2,067	+0.3	-1.2	+1.0	2,095	2,027	2,112	2,092	+0
Apparel, printing and publishing and leather goods	5,440	5,302	5,527	+2.6	-4.1	+1.9	5,214	4,783	5,480	5,099	+2.
FINISHED GOODS											
All manufacturing industries	149,495	149,000	149,275	+0.3	-0.2	+0.4	148,384	143,886	147,869	145,326	+2.
Durable goods industries	74,592	73,856	74,378	+1.0	-0.7	-0.3	74,083	70,738	73,563	72,034	+2.
Stone, clay, and glass products	4,431	4,370	4,300	+1.4	+1.6	+1.4	4,438	4,243	4,121	4,420	+0.
Primary metals	7,122	7,245	7,212	-1.7	+0.5	+2.2	7,129	7,099	7,053	7,123	+0.
Fabricated metal products	9,314	9,296	9,235	+0.2	+0.7	+0.4	9,161	8,789	8,891	8,974	+2.
Industrial machinery and equipment	17,398	17,024	17,740	+2.2	-4.0	-1.6	17,665	16,581	17,807	17,408	+1.
Electronic and other electrical equipment	11,750	11,531	11,492	+1.9	+0.3	+1.5	11,532	10,827	11,407	10,894	+5.
Transportation equipment	7,940	7,712	7,629	+3.0	+1.1	-3.7	7,792	7,088	7,743	7,515	+3.
Instruments and related products	5,982	5,918	6,018	+1.1	-1.7	-1.3	5,740	5,737	6,134	5,746	-0.
Lumber, furniture and miscellaneous durable goods	10,655	10,760	10,752	-1.0	+0.1	+0.4	10,626	10,374	10,407	9,954	+6.
Nondurable goods industries	74,903	75,144	74,897	-0.3	+0.3	+1.0	74,301	73,148	74,306	73,292	+1.
Food and kindred products	17,123	17,244	17,245	-0.7	0.0	+1.2	17,033	17,063	17,990	16,830	+1.
Tobacco products	888	839	1,006	+5.8	-16.6	+16.8	999	885	1,159	808	+23.
Textile mill products	4,321	4,306	4,346	+0.3	-0.9	+0.4	4,281	4,020	4,209	4,359	-1.
Paper and allied products	6,834	6,921	7,017	-1.3	-1.4	-0.9	6,853	6,703	6,852	7,322	-6.
Chemicals and allied products	19,854	19,965	19,794	-0.6	+0.9	+0.9	19,849	19,857	19,432	19,133	+3.
Petroleum and coal products	5,965	5,937	5,781	+0.5	+2.7	+2.8	5,785	5,614	5,856	5,167	+12.
Rubber and plastics products	7,735	7,699	7,617	+0.5	+1.1	+0.7	7,809	7,550	7,339	7,385	+5.
Apparel, printing and publishing and leather goods	12,183	12,233	12,091	-0.4	+1.2	+0.5	11,692	11,456	11,469	12,288	-4.

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Oct. 1996	Jan. 1997[p]	Dec. 1996[r]	Nov. 1996	Oct. 1996
ll manufacturing industries	1.37	1.39	1.38	1.39	2.96	2.95	2.94	2.97
able goods industries	1.63	1.64	1.63	1.64	3.56	3.54	3.52	3.56
one, clay, and glass products	1.18	1.23	1.20	1.16	0.99	1.04	0.98	0.96
imary metals	1.54	1.59	1.59	1.59	1.97	2.00	2.01	2.07
bricated metal products	1.48	1.49	1.47	1.48	1.43	1.44	1.42	1.42
dustrial machinery and equipment	1.79	1.77	1.84	1.84	2.38	2.34	2.42	2.42
ectronic and other lectrical equipment	1.52	1.48	1.46	1.50	1.85	1.76	1.85	1.91
ansportation equipment	1.73	1.78	1.75	1.76	12.72	12.89	12.68	13.02
struments and related products	1.97	1.97	1.95	2.00	3.70	3.71	3.64	3.67
durable goods industries	1.09	1.10	1.10	1.10	0.69	0.70	0.71	0.69
od and kindred products	0.84	0.86	0.84	0.84	(X)	(X)	(X)	(X)
bacco products	1.69	2.08	2.18	2.05	(X)	(X)	(X)	(X)
xtile mill products	1.51	1.52	1.55	1.56	(NA)	(NA)	(NA)	(NA)
per and allied products	1.23	1.24	1.25	1.26	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.23	1.24	1.24	1.23	(X)	(X)	(X)	(X)
troleum and coal products	0.79	0.78	0.76	0.76	(X)	(X)	(X)	(X)
bber and plastics products	1.31	1.33	1.31	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; tor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; roleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1997	Jan.[2] 1992-1996	Jan. 1996-Dec. 1996	Jan.[1] 1997	Jan.[2] 1992-1996	Jan. 1996-Dec. 1996	Jan.[1] 1997	Jan.[2] 1992-1996	Jan. 1996-Dec. 1996	Jan.[1] 1997	Jan.[2] 1992-1996	Jan. 1996-Dec. 1996
l manufacturing industries	(X)	0.3	0.1	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.0	0.0
ble goods industries	0.0	0.4	0.2	0.4	0.6	0.3	0.2	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.4	0.5	(X)	0.7	0.6	(X)	0.6	0.6	(X)	0.3	0.2
mary metals	-0.4	0.2	0.4	-0.3	1.0	1.0	-0.1	0.5	0.4	(X)	0.2	0.1
bricated metal products	(X)	0.3	0.3	(X)	0.8	0.5	(X)	0.5	0.3	(X)	0.5	0.1
ustrial machinery and equipment	0.4	0.8	0.5	0.5	1.2	0.6	0.0	0.2	0.1	(X)	0.2	0.2
ctronic and other ectrical equipment	0.4	0.5	0.4	1.7	0.7	0.7	0.8	0.3	0.3	(X)	0.1	0.2
nsportation equipment	-0.2	0.8	0.6	1.3	1.2	0.8	0.3	0.1	0.1	(X)	0.2	0.1
truments and related products	(X)	0.8	0.5	(X)	1.9	0.9	(X)	0.4	0.3	(X)	0.2	0.2
durable goods industries	(X)	0.3	0.1	(X)	0.2	0.1	(X)	0.6	0.2	(X)	0.1	0.1
od and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
bacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.6	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
per and allied products	(X)	0.1	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
emicals and allied products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.1
roleum and coal products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
bber and plastics products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
tal goods industries :												
ndefense	0.2	0.8	0.4	0.6	0.9	0.5	0.1	0.1	0.1	(X)	0.1	0.1
fense	-1.9	0.7	0.8	3.5	4.6	4.5	0.3	0.2	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the able goods industries are shown in the advance report for the month.

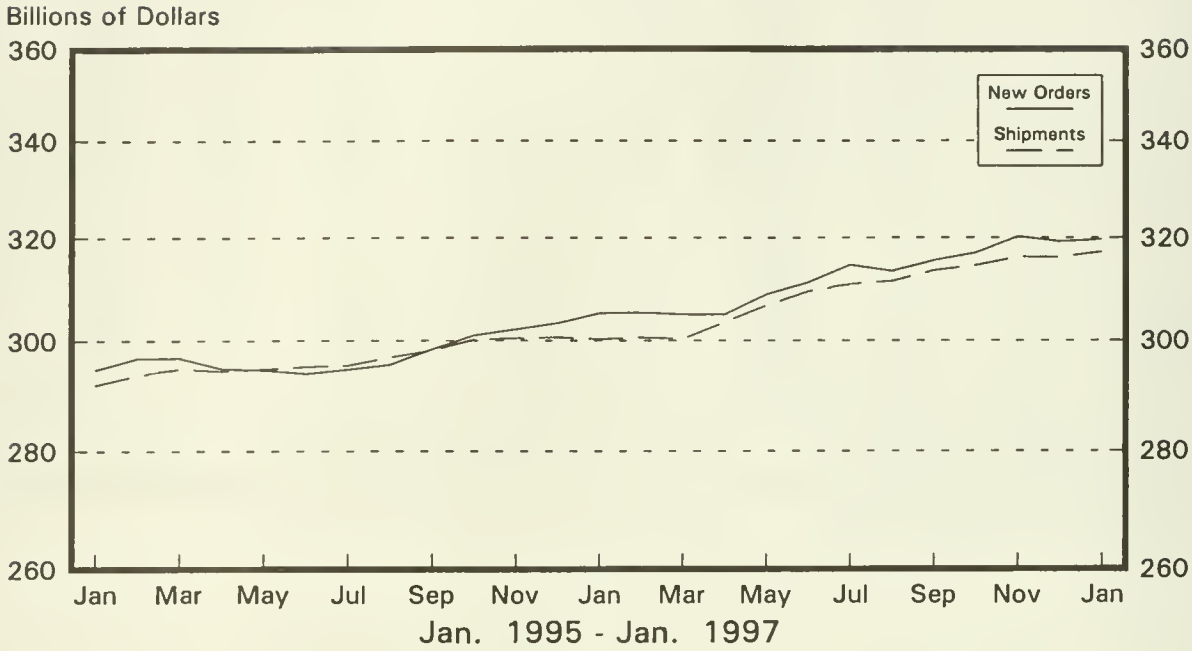
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

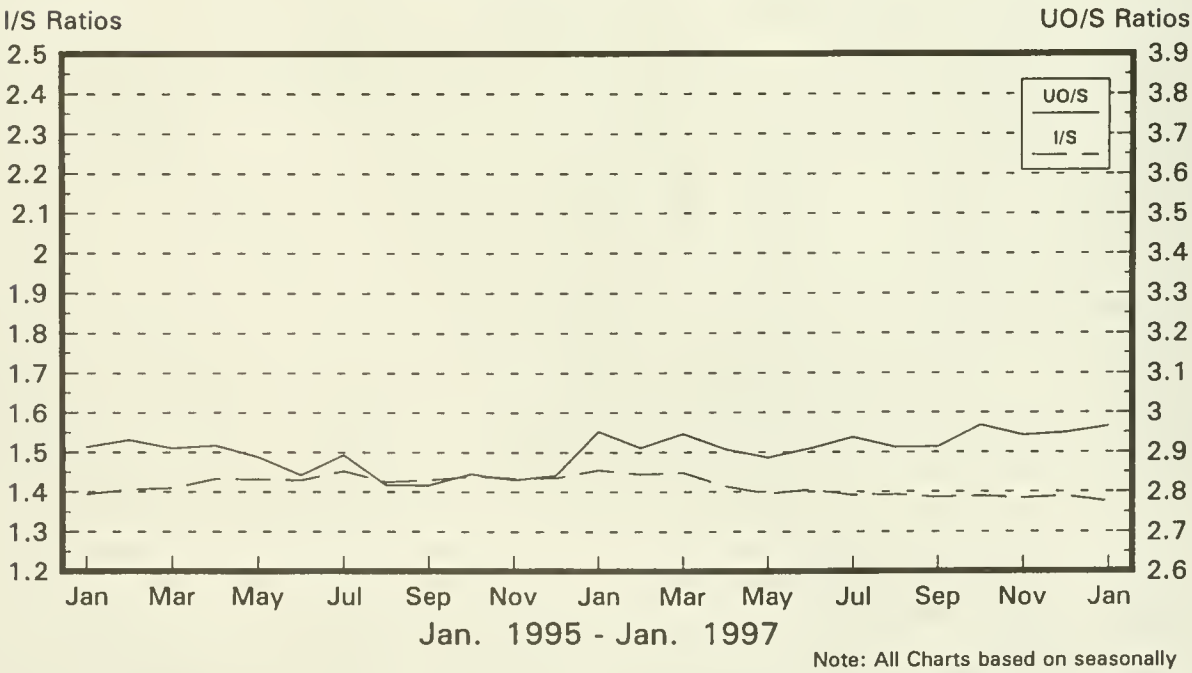
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

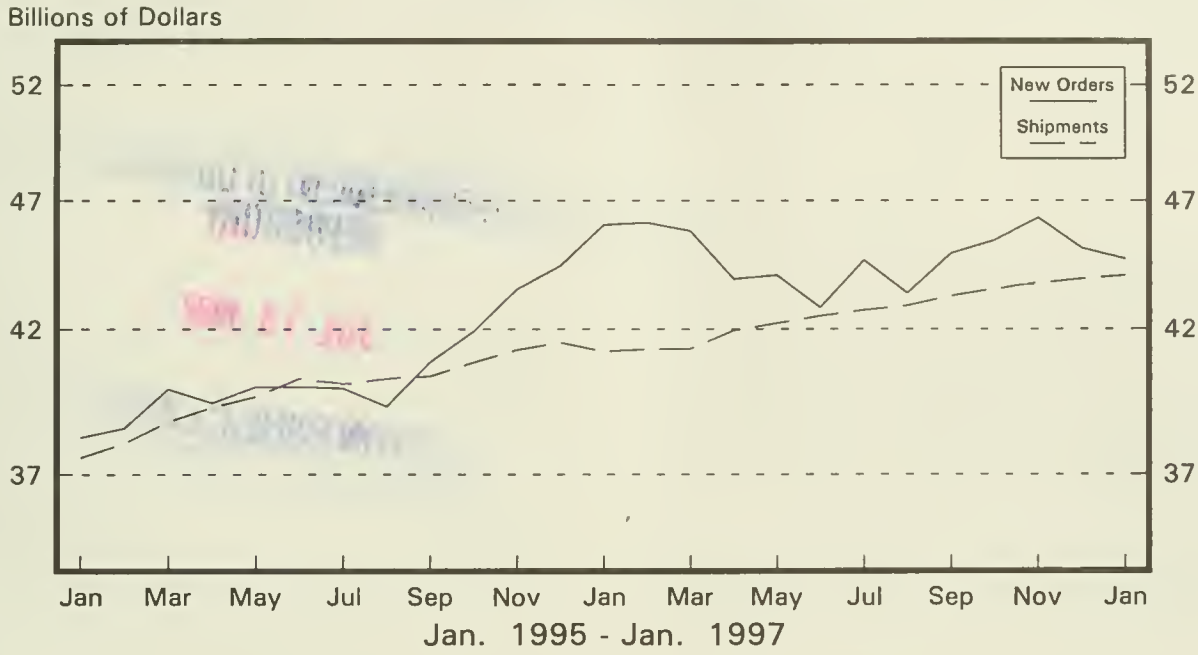
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

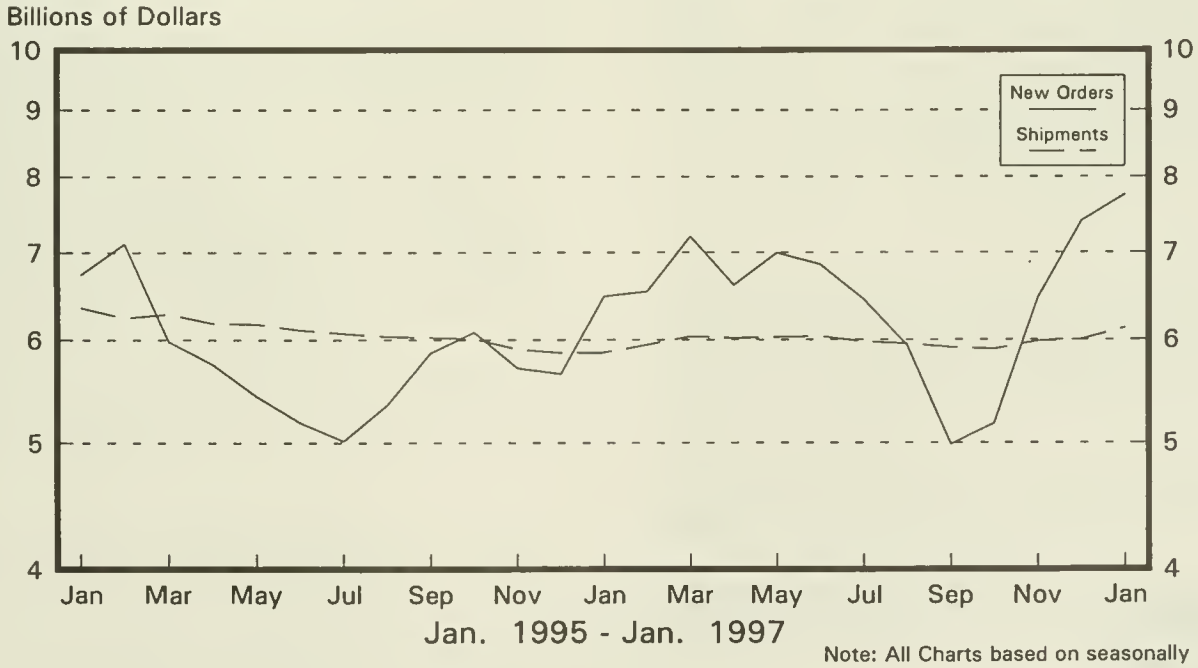
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in February increased $2.7 billion or 0.8 percent to $325.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.5 percent January increase and December and November decreases of 1.5 percent and 0.5 percent respectively. Excluding transportation, new orders increased 1.6 percent, following a 2.6 percent January increase. Year to date, new orders are 6.4 percent above the same period a year ago.

Shipments, up seven of the last eight months, increased $3.0 billion or 0.9 percent to $321.5 billion, following a 1.0 percent January increase. Year to date, shipments are 6.6 percent above the same period a year ago.

Unfilled orders, up for the sixth consecutive month, increased $4.5 billion or 0.9 percent to $523.6 billion, following a 0.9 percent January increase. The unfilled orders-to-shipments ratio was 2.94, down from 2.98 in January.

Inventories, up seven of the last eight months, increased $1.7 billion or 0.4 percent to $441.8 billion, following a 0.5 percent January increase. The inventories-to-shipments ratio was 1.37, down from 1.38 in January.

New Orders

New orders for manufactured durable goods in February increased $2.6 billion or 1.5 percent to $177.9 billion, unrevised from the previously published 1.5 percent increase. This follows a 3.8 percent January increase.

Electronic and other electrical equipment had the largest increase, $2.0 billion or 7.1 percent to $30.4 billion, due to communication equipment and electronic components. This follows a 17.8 percent January increase. Instruments and related products, up for the fifth consecutive month, increased $0.7 billion or 5.1 percent to $14.0 billion, following a 0.9 percent January increase. Industrial machinery and equipment, up for the third consecutive month, increased $0.6 billion or 1.9 percent to $33.1 billion following a 0.9 percent January increase. Fabricated metal products, up three of the last four months, increased $0.4 billion or 2.1 percent to $18.4 billion, following a 2.6 percent January increase. Transportation equipment, down two of the last three months, decreased $1.7 billion or 4.1 percent to $40.6 billion, with decreases in all component categories except railroad equipment. This follows a 1.5 percent January increase. Primary metals, down for the first month since October, decreased $0.1 billion or 0.4 percent to $15.8 billion, following a 5.1 percent January increase.

New orders for nondurable goods, up five of the last six months, increased $0.1 billion or 0.1 percent to $148.0 billion, following a 0.9 percent January increase. Paper and allied products and chemicals and allied products had the largest increases.

Shipments

Shipments of durable goods in February, up three of the last four months, increased $2.8 billion or 1.6 percent to $173.1 billion, revised from the previously published 1.4 percent increase. This follows a 0.9 percent January increase.

Electronic and other electrical equipment had the largest increase, $1.1 billion or 4.2 percent to $28.1 billion. This follows a 2.9 percent January decrease and is the first increase since November. Instruments and related products, up for the first month since November, increased $0.5 billion or 4.2 percent to $13.2 billion. This follows a slight January decrease. Fabricated metal products, up three of the last four months, increased $0.3 billion or 1.8 percent to $18.1 billion, following a 1.6 percent January increase. Stone, clay, and glass products, up for the second consecutive month, increased $0.2 billion or 2.5 percent to $7.4 billion, following a 5.3 percent January increase. Primary metals, up for the fifth consecutive month, increased $0.2 billion or 1.0 percent to $15.7 billion, following a 2.6 percent January increase. Transportation equipment, up three of the last four months, increased $0.1 billion or 0.2 percent to $40.0 billion, as increases in railroad equipment and aircraft and parts more than offset a decrease in motor vehicles and parts. This follows a 3.9 percent January increase.

Shipments of nondurable goods, up five of the last six months, increased $0.2 billion or 0.1 percent to $148.4 billion. This follows a 1.1 percent January increase. Chemicals and allied products had the largest increase, $0.4 billion or 1.2 percent to $32.9 billion. This follows a 1.6 percent January increase and is the third consecutive monthly increase.

Unfilled Orders

Unfilled orders for durable goods in February increased $4.8 billion or 1.0 percent to $498.8 billion, revised from the previously published 1.1 percent increase. This follows a 1.0 percent January increase and is the ninth increase in the last ten months.

Electronic and other electrical equipment, up for the second consecutive month, had the largest increase, $2.3 billion or 4.7 percent to $52.6 billion, following a 3.0 percent January increase. Industrial machinery and equipment, up for the second consecutive month, increased $1.0 billion or 1.4 percent to $73.4 billion, following a 0.5 percent January increase. Instruments and related products, up for the fourth consecutive month, increased $0.7 billion or 1.5 percent to $48.4 billion. Transportation equipment, up nine of the last ten months, increased $0.6 billion or 0.2 percent to $255.7 billion, due to aircraft and parts. This follows a 1.0 percent January increase. Fabricated metal products, up for the thirteenth consecutive month, increased $0.3 billion or 1.1 percent to $24.1 billion. Stone, clay, and glass products, down for the first month since October, decreased $0.3 billion or 4.0 percent to $6.5 billion.

Inventories

Inventories of durable goods in February, up seven of the last eight months, increased $1.3 billion or 0.5 percent to $279.7 billion. This follows a 0.7 percent January increase. Transportation equipment, up nine of the last ten months, increased $0.8 billion or 1.1 percent to $70.7 billion. This follows a 2.6 percent January increase. Industrial machinery and equipment, up for the second consecutive month, increased $0.3 billion or 0.5 percent to $58.1 billion. Fabricated metal products, up for the fifth consecutive month, increased $0.1 billion or 0.4 percent to $26.5 billion, following a 0.7 percent January increase.

Inventories of nondurable goods, up for the seventh consecutive month, increased $0.5 billion or 0.3 percent to $162.1 billion, following a 0.1 percent January increase. Food and kindred products and chemicals and allied products had the largest increases.

By stage of fabrication, February finished goods increased 0.9 percent in durables and decreased 0.1 percent in nondurables. Work in progress increased 0.4 percent in durables and 0.7 percent in nondurables. Materials and supplies increased slightly in durables and 0.5 percent in nondurables.

(See Back Page for Upcoming Revisions)
Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for March is scheduled for April 29, 1997 at 8:30 a.m. and the full report on May 6, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb. 1996	Feb. 97/96	1997[p]	1996
All manufacturing industries	321,457	318,498	315,278	+0.9	+1.0	-0.7	319,228	288,346	311,489	299,246	+6.7	607,574	569,309
Manufacturing Industries													
with unfilled orders	177,984	174,399	174,438	+2.1	0.0	-0.2	175,984	154,638	179,536	165,580	+6.3	330,622	313,069
without defense capital goods	315,015	312,437	309,146	+0.8	+1.1	-0.7	312,815	283,396	304,069	293,475	+6.6	596,211	558,563
Durable goods industries	173,080	170,313	168,719	+1.6	+0.9	-0.8	173,963	151,247	170,432	162,314	+7.2	325,210	303,830
With unfilled orders	141,630	138,239	138,181	+2.5	0.0	-0.4	140,330	121,520	144,032	130,429	+7.6	261,850	245,130
Stone, clay, and glass products	7,391	7,214	6,849	+2.5	+5.3	-2.2	6,800	6,203	5,907	5,990	+13.5	13,003	11,747
Primary metals	15,713	15,557	15,160	+1.0	+2.6	+0.4	16,123	14,817	14,004	15,111	+6.7	30,940	29,212
Blast furnaces, steel mills	6,397	6,406	6,277	-0.1	+2.1	+2.3	6,615	6,228	5,725	6,320	+4.7	12,843	12,246
Iron and steel foundries	1,443	1,434	1,378	+0.6	+4.1	-1.1	1,478	1,353	1,122	1,345	+9.9	2,831	2,577
Nonferrous and other primary metals	7,873	7,717	7,505	+2.0	+2.8	-0.8	8,030	7,236	7,157	7,446	+7.8	15,266	14,389
Fabricated metal products	18,117	17,803	17,531	+1.8	+1.6	-1.4	18,178	16,384	16,170	16,802	+8.2	34,562	32,273
Industrial machinery and equipment	32,151	32,116	32,559	+0.1	-1.4	+2.2	31,739	27,158	35,720	31,279	+1.5	58,897	57,028
Engines and turbines	1,638	1,707	1,709	-4.0	-0.1	+0.8	1,631	1,361	2,458	1,758	-7.2	2,992	3,179
Farm and garden machinery	1,836	1,884	1,788	-2.5	+5.4	-7.1	2,214	1,699	1,358	2,234	-0.9	3,913	3,862
Construction, mining and material handling equipment	3,741	3,677	3,700	+1.7	-0.6	+0.5	3,995	3,309	3,659	3,639	+9.8	7,304	6,807
Metalworking machinery	3,240	3,273	3,316	-1.0	-1.3	-0.7	3,175	2,591	3,494	3,075	+3.3	5,766	5,446
Computer and office equipment	8,923	9,032	9,164	-1.2	-1.4	+5.8	7,718	6,821	12,376	8,073	-4.4	14,539	13,843
Electronic and other electrical equipment	28,089	26,947	27,757	+4.2	-2.9	-2.3	27,327	23,182	30,820	25,426	+7.5	50,509	47,947
Electrical transmission and distribution equipment and industrial apparatus	3,159	3,171	3,049	-0.4	+4.0	-9.7	3,245	2,780	2,968	3,061	+6.0	6,025	5,726
Household appliances	2,091	2,019	2,060	+3.6	-2.0	+0.2	1,991	1,661	1,946	1,847	+7.8	3,652	3,528
Electric lighting and wiring equipment	2,099	2,072	2,076	+1.3	-0.2	-0.5	2,193	1,848	2,153	2,056	+6.7	4,041	3,823
Household audio and video equipment	1,333	1,305	1,321	+2.1	-1.2	+4.3	1,213	1,038	1,260	1,064	+14.0	2,251	1,978
Communications equipment	6,277	5,859	6,412	+7.1	-8.6	-3.3	5,662	4,438	9,206	5,167	+9.6	10,100	9,485
Electronic components	11,082	10,423	10,913	+6.3	-4.5	-1.2	11,016	9,569	11,344	10,210	+7.9	20,585	19,709
Transportation equipment	39,952	39,853	38,340	+0.2	+3.9	-1.9	42,813	36,206	37,691	39,741	+7.7	79,019	72,390
Motor vehicles and parts	27,700	28,234	26,118	-1.9	+8.1	-3.8	30,849	27,069	22,578	29,276	+5.4	57,918	53,850
Aircraft, missiles, space vehicles, and parts	9,359	9,145	9,273	+2.3	-1.4	+1.3	9,076	7,047	12,143	7,562	+20.0	16,123	13,315
Shipbuilding and tanks	792	735	902	+7.8	-18.5	+14.9	816	554	1,157	851	-4.1	1,370	1,559
Instruments and related products	13,218	12,683	12,685	+4.2	0.0	-0.9	13,069	11,303	13,650	12,185	+7.3	24,372	23,059
Search and navigation equipment	2,676	2,574	2,557	+4.0	+0.7	-1.4	2,730	2,251	2,782	2,558	+6.7	4,981	4,763
Measuring and controlling devices	3,969	3,649	3,802	+8.8	-4.0	-1.6	3,925	3,318	4,111	3,758	+4.4	7,243	7,082
Medical instruments and supplies	4,195	4,102	4,114	+2.3	-0.3	+0.3	4,178	3,692	4,497	3,837	+8.9	7,870	7,269
Photographic goods	1,933	1,902	1,788	+1.6	+6.4	-2.1	1,817	1,621	1,859	1,711	+6.2	3,438	3,307
All other durable goods	18,449	18,140	17,838	+1.7	+1.7	-1.3	17,914	15,994	16,470	15,780	+13.5	33,908	30,174
Nondurable goods industries	148,377	148,185	146,559	+0.1	+1.1	-0.6	145,265	137,099	141,057	136,932	+6.1	282,364	265,479
With unfilled orders	36,354	36,160	36,257	+0.5	-0.3	+0.5	35,654	33,118	35,504	35,151	+1.4	68,772	67,939
Food and kindred products	39,310	39,472	38,695	-0.4	+2.0	-2.5	38,188	36,423	38,519	36,846	+3.6	74,611	72,178
Meat products	9,045	8,942	8,945	+1.2	0.0	-3.0	8,774	8,264	8,901	8,594	+2.1	17,038	16,810
Dairy products	4,892	5,018	4,987	-2.5	+0.6	-1.3	4,740	4,837	4,854	4,546	+4.3	9,577	9,087
Beverages	5,771	5,702	5,722	+1.2	-0.3	-3.2	5,177	4,760	5,350	4,938	+4.8	9,937	9,689
All other foods, except fats and oils	17,490	17,771	16,850	-1.6	+5.5	-2.7	17,385	16,523	17,223	16,836	+3.3	33,908	32,720
Tobacco products	2,897	3,070	2,895	-5.6	+6.0	+3.9	2,761	2,956	2,907	2,623	+5.3	5,717	5,057
Textile mill products	6,790	6,696	6,636	+1.4	+0.9	+2.0	6,621	5,709	6,071	6,159	+7.5	12,330	11,433
Broadwoven fabrics and other textiles	4,090	4,050	4,030	+1.0	+0.5	+1.9	4,057	3,547	3,832	3,815	+6.3	7,604	7,188
Paper and allied products	13,295	13,313	13,272	-0.1	+0.3	+0.3	13,321	12,737	12,783	13,860	-3.9	26,058	27,077
Pulp, paper, and paperboard mill products	5,287	5,225	5,228	+1.2	-0.1	+0.7	5,276	4,971	5,144	5,595	-5.7	10,247	11,157
Paperboard containers and boxes	3,418	3,471	3,477	-1.5	-0.2	+1.0	3,432	3,323	3,186	3,694	-7.1	6,755	7,034
Miscellaneous converted paper products	4,590	4,617	4,567	-0.6	+1.1	-0.6	4,613	4,443	4,453	4,571	+0.9	9,056	8,886
Chemicals and allied products	32,905	32,510	32,005	+1.2	+1.6	+0.6	32,662	31,067	30,825	29,542	+10.6	63,729	58,155
Industrial chemicals	16,120	15,884	15,812	+1.5	+0.5	+1.4	16,330	15,124	14,841	15,125	+8.0	31,454	29,481
Drugs, soaps, and toiletries	12,488	12,423	12,075	+0.5	+2.9	+1.0	12,051	12,218	12,648	10,575	+14.0	24,269	21,327
Petroleum and coal products	16,295	16,574	16,611	-1.7	-0.2	-0.3	15,142	15,263	16,103	12,925	+17.2	30,405	25,256
Rubber and plastics products	12,185	12,097	11,774	+0.7	+2.7	-1.1	12,273	11,243	10,466	11,749	+4.5	23,516	22,313
All other nondurable goods	24,700	24,453	24,671	+1.0	-0.9	-0.7	24,297	21,701	23,383	23,228	+4.6	45,998	44,010

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb. 1996	Feb. 97/96	1997[p]	1996
All manufacturing industries	325,911	323,210	315,415	+0.8	+2.5	-1.5	325,504	299,579	311,762	301,842	+7.8	625,083	586,825
lanufacturing industries													
with unfilled orders	182,438	179,111	174,575	+1.9	+2.6	-1.6	182,260	165,871	179,809	168,176	+8.4	348,131	330,585
without defense capital goods	319,872	317,009	307,360	+0.9	+3.1	-1.3	320,016	294,280	300,115	297,108	+7.7	614,296	575,086
urable goods industries	177,922	175,370	168,886	+1.5	+3.8	-1.7	180,374	162,387	170,716	164,896	+9.4	342,761	320,590
With unfilled orders	146,472	143,296	138,348	+2.2	+3.6	-1.5	146,741	132,660	144,316	133,011	+10.3	279,401	261,890
one, clay, and glass products	7,120	7,222	7,095	-1.4	+1.8	+0.9	6,788	6,371	6,205	6,300	+7.7	13,159	12,176
imary metals	15,830	15,892	15,114	-0.4	+5.1	+4.4	17,011	16,580	14,729	16,043	+6.0	33,591	31,559
Blast furnaces, steel mills	6,321	6,339	6,213	-0.3	+2.0	+6.1	6,957	7,065	5,815	6,734	+3.3	14,022	13,597
Iron and steel foundries	1,478	1,496	1,527	-1.2	-2.0	+3.0	1,667	1,532	1,336	1,642	+1.5	3,199	3,114
Nonferrous and other primary metals	8,031	8,057	7,374	-0.3	+9.3	+3.3	8,387	7,983	7,578	7,667	+9.4	16,370	14,848
ibricated metal products	18,390	18,013	17,554	+2.1	+2.6	-3.0	18,630	16,762	16,417	16,996	+9.6	35,392	32,644
dustrial machinery and equipment	33,131	32,500	32,212	+1.9	+0.9	+2.1	32,885	28,544	34,500	32,373	+1.6	61,429	59,953
Engines and turbines	2,039	1,678	1,715	+21.5	-2.2	-6.8	1,774	1,211	2,389	1,625	+9.2	2,985	3,064
Construction, mining and material handling equipment	3,714	3,804	3,827	-2.4	-0.6	+4.0	4,069	3,864	3,753	4,192	-2.9	7,933	7,621
Metalworking machinery	3,465	3,463	2,946	+0.1	+17.5	-3.4	3,400	2,781	3,124	3,293	+3.2	6,181	5,846
Computer and office equipment	8,943	9,022	9,475	-0.9	-4.8	+10.4	7,851	6,627	11,908	8,064	-2.6	14,478	13,616
ectronic and other electrical equipment	30,437	28,419	24,134	+7.1	+17.8	-13.8	30,058	26,762	25,636	24,706	+21.7	56,820	49,575
Electrical transmission and distribution equipment and industrial apparatus	3,241	3,217	3,072	+0.7	+4.7	-11.9	3,430	3,024	2,849	3,203	+7.1	6,454	5,871
Electric lighting and wiring equipment	2,130	2,182	2,213	-2.4	-1.4	+9.4	2,224	1,958	2,290	2,105	+5.7	4,182	3,986
Communications equipment	7,316	6,100	4,323	+19.9	+41.1	-34.5	6,735	4,643	7,133	5,403	+24.7	11,378	10,199
Electronic components	12,265	11,320	9,121	+8.3	+24.1	-14.0	12,427	11,866	8,347	9,017	+37.8	24,293	19,641
ansportation equipment	40,553	42,278	41,667	-4.1	+1.5	-0.6	42,867	39,370	42,518	39,720	+7.9	82,237	80,069
Aircraft, missiles, space vehicles, and parts	10,596	11,530	11,161	-8.1	+3.3	-4.0	9,634	9,816	15,524	8,010	+20.3	19,450	20,160
Shipbuilding and tanks	253	660	2,102	-61.7	-68.6	+64.1	297	557	2,261	579	-48.7	854	2,242
struments and related products	13,951	13,268	13,144	+5.1	+0.9	+1.5	14,036	11,933	14,699	12,789	+9.8	25,969	23,828
Search and navigation equipment	3,352	2,495	2,678	+34.3	-6.8	-1.7	3,529	2,033	3,698	2,889	+22.2	5,562	4,958
Measuring and controlling devices	3,973	3,901	4,299	+1.8	-9.3	+12.5	3,929	3,570	4,608	3,765	+4.4	7,499	7,336
Medical instruments and supplies	4,203	4,508	3,852	-6.8	+17.0	-6.8	4,240	4,294	4,017	4,001	+6.0	8,534	7,548
ll other durable goods	18,510	17,778	17,966	+4.1	-1.0	+0.8	18,099	16,065	16,012	15,969	+13.3	34,164	30,786
ondurable goods industries	147,989	147,840	146,529	+0.1	+0.9	-1.2	145,130	137,192	141,046	136,946	+6.0	282,322	266,235
With unfilled orders	35,966	35,815	36,227	+0.4	-1.1	-2.1	35,519	33,211	35,493	35,165	+1.0	68,730	68,695

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, hich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated Further etails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb 1997[p]	Jan 1997[r]	Dec 1996	Jan.-Feb.	Dec.-Jan	Nov - Dec	Feb. 1997[p]	Jan 1997[r]	Dec. 1996	Feb 1996	Feb 97/96
All manufacturing industries	523,564	519,110	514,398	+0.9	+0.9	0.0	526,272	519,996	508,763	491,991	+7.0
Manufacturing industries without defense capital goods	413,529	408,672	404,100	+1.2	+1.1	-0.4	416,510	409,309	398,425	387,887	+7.4
Durable goods industries	498,813	493,971	488,914	+1.0	+1.0	0.0	501,966	495,555	484,415	468,475	+7.1
Stone, clay, and glass products	6,500	6,771	6,763	-4.0	+0.1	+3.8	6,660	6,672	6,504	7,191	-7.4
Primary metals	30,717	30,600	30,265	+0.4	+1.1	-0.2	31,866	30,978	29,215	30,622	+4.1
Blast furnaces, steel mills	12,291	12,367	12,434	-0.6	-0.5	-0.5	12,930	12,588	11,751	13,029	-0.8
Iron and steel foundries	4,527	4,492	4,430	+0.8	+1.4	+3.5	4,690	4,501	4,322	4,107	+14.2
Nonferrous and other primary metals	13,899	13,741	13,401	+1.1	+2.5	-1.0	14,246	13,889	13,142	13,486	+5.6
Fabricated metal products	24,147	23,874	23,664	+1.1	+0.9	+0.1	24,213	23,761	23,383	21,692	+11.6
Industrial machinery and equipment	73,401	72,421	72,037	+1.4	+0.5	-0.5	74,503	73,357	71,971	73,489	+1.4
Engines and turbines	11,679	11,278	11,307	+3.6	-0.3	+0.1	11,806	11,663	11,813	11,320	+4.3
Construction, mining and material handling equipment	9,268	9,295	9,168	-0.3	+1.4	+1.4	9,583	9,509	8,954	9,497	+0.9
Metalworking machinery	8,928	8,703	8,513	+2.6	+2.2	-4.2	8,928	8,703	8,513	8,867	+0.7
Computer and office equipment	10,384	10,364	10,374	+0.2	-0.1	+3.1	10,062	9,929	10,123	9,549	+5.4
Electronic and other electrical equipment	52,631	50,283	48,811	+4.7	+3.0	-6.9	53,512	50,781	47,201	50,613	+5.7
Electrical transmission and distribution equipment and industrial apparatus	6,573	6,491	6,445	+1.3	+0.7	+0.4	6,713	6,528	6,284	6,206	+8.2
Electric lighting and wiring equipment	4,610	4,579	4,469	+0.7	+2.5	+3.2	4,610	4,579	4,469	4,093	+12.6
Communications equipment	14,609	13,570	13,329	+7.7	+1.8	-13.5	14,598	13,525	13,320	15,218	-4.1
Electronic components	22,474	21,291	20,394	+5.6	+4.4	-8.1	22,968	21,557	19,260	20,723	+10.8
Transportation equipment	255,685	255,084	252,659	+0.2	+1.0	+1.3	255,284	255,230	252,066	228,840	+11.6
Aircraft, missiles, space vehicles, and parts	225,062	223,825	221,440	+0.6	+1.1	+0.9	224,439	223,881	221,112	197,899	+13.4
Shipbuilding and tanks	17,455	17,994	18,069	-3.0	-0.4	+7.1	17,398	17,917	17,914	17,670	-1.5
Instruments and related products	48,360	47,627	47,042	+1.5	+1.2	+1.0	48,971	48,004	47,374	48,918	+0.1
Search and navigation equipment	28,812	28,136	28,215	+2.4	-0.3	+0.4	29,173	28,374	28,592	29,988	-2.7
Measuring and controlling devices	10,384	10,380	10,128	0.0	+2.5	+5.2	10,384	10,380	10,128	10,358	+0.3
Medical instruments and supplies	8,026	8,018	7,612	+0.1	+5.3	-3.3	8,275	8,213	7,611	7,780	+6.4
All other durable goods	7,372	7,311	7,673	+0.8	-4.7	+1.7	6,957	6,772	6,701	7,110	-2.2
Nondurable goods industries	24,751	25,139	25,484	-1.5	-1.4	-0.1	24,306	24,441	24,348	23,516	+3.4

[p] Preliminary [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb 1996	Feb. 97/96
All manufacturing industries	441,759	440,019	437,922	+0.4	+0.5	-0.3	445,180	438,592	428,193	438,237	+1.6
lanufacturing industries											
ith unfilled orders	296,643	295,380	293,761	+0.4	+0.6	-0.7	298,166	293,078	285,159	294,010	+1.4
ithout defense capital goods	423,113	420,925	419,366	+0.5	+0.4	-0.3	426,785	419,952	410,468	419,098	+1.8
urable goods industries	279,674	278,390	276,439	+0.5	+0.7	-0.5	282,300	277,324	269,306	275,574	+2.4
With unfilled orders	257,377	256,233	254,458	+0.4	+0.7	-0.7	259,041	254,597	247,368	252,305	+2.7
one, clay, and glass products	8,536	8,511	8,432	+0.3	+0.9	+0.5	8,728	8,485	8,201	8,607	+1.4
imary metals	24,016	23,952	24,160	+0.3	-0.9	+0.7	24,102	24,002	24,196	23,699	+1.7
Blast furnaces, steel mills	12,041	12,041	12,218	0.0	-1.4	+0.6	12,125	12,259	12,486	11,643	+4.1
Iron and steel foundries	1,513	1,499	1,494	+0.9	+0.3	+0.1	1,525	1,475	1,461	1,424	+7.1
Nonferrous and other primary metals	10,462	10,412	10,448	+0.5	-0.3	+0.8	10,452	10,268	10,249	10,632	-1.7
bricated metal products	26,470	26,371	26,196	+0.4	+0.7	+0.1	26,667	26,283	25,708	26,481	+0.7
dustrial machinery and equipment	58,123	57,843	57,635	+0.5	+0.4	-1.8	59,081	57,752	55,557	60,301	-2.0
Engines and turbines	3,846	3,823	3,894	+0.6	-1.8	-1.8	3,747	3,632	3,654	3,750	-0.1
Farm and garden machinery	2,955	2,877	2,785	+2.7	+3.3	+6.1	3,277	3,164	2,943	3,154	+3.9
Construction, mining and material handling equipment	7,355	7,358	7,340	0.0	+0.2	-1.1	7,458	7,367	7,146	7,291	+2.3
Metalworking machinery	7,134	7,000	6,968	+1.9	+0.5	-2.5	7,134	6,878	6,582	7,050	+1.2
Computer and office equipment	11,850	11,718	11,760	+1.1	-0.4	-4.3	12,217	11,659	10,947	14,150	-13.7
ectronic and other lectrical equipment	40,991	40,898	41,153	+0.2	-0.6	-1.1	41,003	40,502	39,726	40,964	+0.1
Electrical transmission and distribution equipment and industrial apparatus	4,904	4,838	4,818	+1.4	+0.4	+0.4	4,910	4,761	4,684	4,968	-1.2
Household appliances	2,738	2,746	2,765	-0.3	-0.7	-2.3	2,869	2,742	2,541	2,857	+0.4
Electric lighting and wiring equipment	3,341	3,335	3,320	+0.2	+0.5	+0.2	3,344	3,267	3,152	3,417	-2.1
Household audio and video equipment	1,546	1,569	1,565	-1.5	+0.3	+0.4	1,504	1,514	1,438	1,602	-6.1
Communications equipment	11,373	11,321	11,265	+0.5	+0.5	-2.5	11,419	11,267	10,780	10,616	+7.6
Electronic components	13,545	13,544	13,850	0.0	-2.2	-0.3	13,477	13,509	13,713	13,994	-3.7
ansportation equipment	70,691	69,935	68,175	+1.1	+2.6	-0.3	71,545	69,633	66,227	65,514	+9.2
Motor vehicles and parts	15,908	15,694	15,635	+1.4	+0.4	+0.9	16,108	15,764	15,308	15,634	+3.0
Aircraft, missiles, space vehicles, and parts	49,919	49,231	47,617	+1.4	+3.4	-0.2	50,452	48,853	46,131	44,692	+12.9
Shipbuilding and tanks	1,861	1,904	1,906	-2.3	-0.1	-1.9	1,886	1,897	1,838	1,831	+3.0
struments and related products	25,222	25,256	25,036	-0.1	+0.9	+0.4	25,086	24,728	24,276	24,135	+3.9
Search and navigation equipment	6,841	6,869	6,737	-0.4	+2.0	+0.2	6,827	6,717	6,565	6,283	+8.7
Measuring and controlling devices	8,066	8,128	8,120	-0.8	+0.1	+2.7	8,050	8,020	7,897	7,803	+3.2
Medical instruments and supplies	7,621	7,589	7,485	+0.4	+1.4	+0.7	7,583	7,470	7,316	7,143	+6.2
Photographic goods	2,045	2,022	2,051	+1.1	-1.4	-8.2	1,982	1,884	1,857	2,289	-13.4
l other durable goods	25,625	25,624	25,652	0.0	-0.1	-0.4	26,088	25,939	25,415	25,873	+0.8
ondurable goods industries	162,085	161,629	161,483	+0.3	+0.1	0.0	162,880	161,268	158,887	162,663	+0.1
With unfilled orders	39,266	39,147	39,303	+0.3	-0.4	-0.9	39,125	38,481	37,791	41,705	-6.2
od and kindred products	33,379	33,095	33,285	+0.9	-0.6	-0.6	33,562	33,475	33,577	33,276	+0.9
Meat products	3,970	3,968	4,043	+0.1	-1.9	-0.5	4,041	3,908	3,838	4,143	-2.5
Dairy products	2,923	2,769	2,908	+5.6	-4.8	-0.6	2,847	2,705	2,804	2,612	+9.0
Beverages	6,297	6,272	6,217	+0.4	+0.9	+0.1	6,297	6,235	6,123	6,187	+1.8
All other foods, except fats and oils	17,948	17,854	18,013	+0.5	-0.9	+0.4	17,966	18,210	18,602	18,176	-1.2
bacco products	5,976	6,027	6,036	-0.8	-0.1	-0.6	6,454	6,534	6,464	6,057	+6.6
xtile mill products	10,054	10,101	10,069	-0.5	+0.3	-0.2	10,196	10,091	9,620	10,390	-1.9
Broadwoven fabrics and other textiles	5,991	6,039	6,017	-0.8	+0.4	0.0	6,087	6,066	5,785	6,212	-2.0
per and allied products	16,356	16,389	16,478	-0.2	-0.5	-0.4	16,487	16,375	16,273	17,773	-7.2
Pulp, paper, and paperboard mill products	6,755	6,728	6,760	+0.4	-0.5	-1.2	6,856	6,765	6,694	7,470	-8.2
Paperboard containers and boxes	4,004	4,035	4,045	-0.8	-0.2	+1.3	4,056	4,041	4,032	4,524	-10.3
Miscellaneous converted paper products	5,597	5,626	5,673	-0.5	-0.8	-0.6	5,575	5,569	5,547	5,779	-3.5
emicals and allied products	40,130	39,869	39,819	+0.7	+0.1	+0.9	40,542	39,755	39,529	39,143	+3.6
Industrial chemicals	19,326	19,309	19,286	+0.1	+0.1	+1.0	19,597	19,558	19,421	19,038	+2.9
Drugs, soaps, and toiletries	15,697	15,455	15,487	+1.6	-0.2	+0.7	15,477	14,885	15,090	14,895	+3.9
troleum and coal products	13,015	13,224	12,910	-1.6	+2.4	+1.8	12,702	12,878	12,251	11,744	+8.2
bber and plastics products	15,839	15,796	15,664	+0.3	+0.8	+0.6	16,228	15,934	15,528	15,577	+4.2
l other nondurable goods	27,336	27,128	27,222	+0.8	-0.3	-1.2	26,709	26,226	25,645	28,703	-6.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb. 1996	Feb. 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	321,457	318,498	315,278	+0.9	+1.0	-0.7	319,228	288,346	311,489	299,246	+6.7	607,574	569,309
Market categories :													
Automotive equipment	13,962	14,226	13,375	-1.9	+6.4	-3.7	15,337	13,439	11,534	14,755	+3.9	28,776	27,019
Home goods and apparel	19,446	18,976	19,114	+2.5	-0.7	-0.7	19,152	15,900	16,717	17,571	+9.0	35,052	32,270
Consumer staples	68,080	68,476	67,320	-0.6	+1.7	-1.1	65,541	64,005	67,595	60,995	+7.5	129,546	119,980
Machinery and equipment	56,763	55,960	56,766	+1.4	-1.4	+0.2	56,358	47,352	63,322	53,607	+5.1	103,710	97,444
Business supplies	25,454	25,348	25,192	+0.4	+0.6	-0.4	25,005	23,271	24,437	23,572	+6.1	48,276	45,311
Construction materials and supplies	20,016	19,815	19,372	+1.0	+2.3	-1.1	19,101	17,384	17,568	17,337	+10.2	36,485	33,578
Defense products	6,781	6,371	6,519	+6.4	-2.3	-0.1	6,810	5,318	7,640	6,156	+10.6	12,128	11,518
Other materials, supplies and and intermediate products	110,955	109,326	107,620	+1.5	+1.6	-0.6	111,924	101,677	102,676	105,253	+6.3	213,601	202,189
Durable goods industries :													
Nondefense capital goods [3]	43,820	43,121	44,612	+1.6	-3.3	+1.5	42,136	35,021	53,380	40,441	+4.2	77,157	72,933
Excluding aircraft and parts	37,983	37,262	38,567	+1.9	-3.4	+1.1	36,517	30,578	45,253	35,839	+1.9	67,095	65,065
Defense capital goods [4]	6,442	6,061	6,132	+6.3	-1.2	-1.0	6,413	4,950	7,420	5,771	+11.1	11,363	10,746
Durables excluding capital goods	122,818	121,131	117,975	+1.4	+2.7	-1.7	125,414	111,276	109,632	116,102	+8.0	236,690	220,151
Miscellaneous series :													
Producers' durable equipment	110,200	108,761	107,632	+1.3	+1.0	-1.2	111,913	96,062	110,163	105,714	+5.9	207,975	195,116
Household durable goods	9,636	9,246	9,450	+4.2	-2.2	+0.3	9,265	7,755	8,860	8,246	+12.4	17,020	15,470
Information technology industries	21,692	21,020	21,686	+3.2	-3.1	+0.9	19,755	16,697	27,941	19,301	+2.4	36,452	34,774
Health care equipment and products	10,984	10,856	10,677	+1.2	+1.7	+0.7	10,741	10,327	11,349	9,603	+11.9	21,068	18,877
NEW ORDERS													
All manufacturing industries	325,911	323,210	315,415	+0.8	+2.5	-1.5	325,504	299,579	311,762	301,842	+7.8	625,083	586,825
Market categories :													
Automotive equipment	13,973	14,269	13,375	-2.1	+6.7	-3.8	15,369	13,580	11,531	14,755	+4.2	28,949	27,125
Home goods and apparel	19,189	18,273	18,997	+5.0	-3.8	-0.2	19,258	16,327	16,163	17,976	+7.1	35,585	33,714
Consumer staples	67,892	68,529	67,364	-0.9	+1.7	-1.2	65,269	64,052	67,634	60,925	+7.1	129,321	119,950
Machinery and equipment	60,352	58,775	56,069	+2.7	+4.8	+0.5	60,514	51,515	61,463	56,812	+6.5	112,029	108,107
Business supplies	25,305	25,295	25,239	0.0	+0.2	-0.7	24,798	23,297	24,496	23,418	+5.9	48,095	45,272
Construction materials and supplies	19,894	20,010	19,815	-0.6	+1.0	+1.6	19,234	17,762	18,107	17,734	+8.5	36,996	34,178
Defense products	6,322	6,439	8,304	-1.8	-22.5	-10.2	5,768	5,416	11,878	5,143	+12.2	11,184	12,274
Other materials, supplies and and intermediate products	112,984	111,620	106,252	+1.2	+5.1	-2.7	115,294	107,630	100,490	105,079	+9.7	222,924	206,205
Durable goods industries :													
Nondefense capital goods [3]	47,443	45,819	43,869	+3.5	+4.4	0.0	46,028	39,015	51,605	43,288	+6.3	85,043	83,562
Excluding aircraft and parts	40,479	37,870	36,739	+6.9	+3.1	-2.2	39,282	32,482	42,393	37,389	+5.1	71,764	69,227
Defense capital goods [4]	6,039	6,201	8,055	-2.6	-23.0	-8.1	5,488	5,299	11,647	4,734	+15.9	10,787	11,739
Durables excluding capital goods	124,440	123,350	116,962	+0.9	+5.5	-1.9	128,858	118,073	107,464	116,874	+10.3	246,931	225,289
Miscellaneous series :													
Producers' durable equipment	114,086	111,522	107,911	+2.3	+3.3	+0.2	116,561	101,719	108,669	109,151	+6.8	218,280	206,959
Household durable goods	9,694	8,885	9,559	+9.1	-7.1	+5.8	9,390	8,154	8,627	8,353	+12.4	17,544	16,275
Information technology industries	23,384	21,582	20,537	+8.3	+5.1	-3.3	21,583	17,063	26,001	19,743	+9.3	38,646	35,745
Health care equipment and products	10,993	11,262	10,415	-2.4	+8.1	-2.1	10,804	10,928	10,868	9,768	+10.6	21,732	19,156

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb. 1996	Feb. 97/96
UNFILLED ORDERS											
All manufacturing industries	523,564	519,110	514,398	+0.9	+0.9	0.0	526,272	519,996	508,763	491,991	+7.0
arket categories :											
Automotive equipment	1,976	1,966	1,923	+0.5	+2.2	0.0	2,047	2,016	1,875	2,023	+1.2
Home goods and apparel	8,335	8,592	9,295	-3.0	-7.6	-1.2	8,153	8,047	7,620	9,054	-10.0
Consumer staples	1,949	2,137	2,083	-8.8	+2.6	+2.2	1,875	2,146	2,099	1,796	+4 4
Machinery and equipment	236,170	232,580	229,765	+1.5	+1.2	-0.3	237,110	232,954	228,790	219,523	+8 0
Business supplies	6,434	6,583	6,636	-2.3	-0.8	+0.7	6,307	6,514	6,488	6,196	+1.8
Construction materials and supplies	16,303	16,425	16,230	-0.7	+1.2	+2.8	16,431	16,298	15,921	15,877	+3.5
Defense products	105,005	105,464	105,396	-0.4	+0.1	+1.7	104,701	105,743	105,644	99,127	+5.6
Other materials, supplies and and intermediate products	147,392	145,363	143,070	+1.4	+1.6	-0.9	149,648	146,278	140,326	138,395	+8.1
ırable goods industries :											
Nondefense capital goods [3]	256,932	253,309	250,611	+1.4	+1.1	-0.3	257,984	254,092	250,098	237,803	+8.5
Excluding aircraft and parts	98,961	96,465	95,857	+2.6	+0.6	-1.9	100,013	97,248	95,344	99,486	+0.5
Defense capital goods [4]	110,035	110,438	110,298	-0.4	+0.1	+1.8	109,762	110,687	110,338	104,104	+5.4
Durables excluding capital goods	131,846	130,224	128,005	+1.2	+1.7	-0.8	134,220	130,776	123,979	126,568	+6 0
iscellaneous series :											
Producers' durable equipment	269,297	265,411	262,650	+1.5	+1.1	+0.1	270,772	266,124	260,467	254,187	+6.5
Household durable goods	5,383	5,325	5,686	+1.1	-6.3	+2.0	5,333	5,208	4,809	5,779	-7.7
Information technology industries	39,252	37,560	36,998	+4.5	+1.5	-3.0	38,930	37,102	36,736	39,214	-0 7
Health care equipment and products	8,058	8,050	7,643	+0.1	+5.3	-3.3	8,306	8,242	7,641	7,806	+6 4
TOTAL INVENTORIES											
All manufacturing industries	441,759	440,019	437,922	+0.4	+0.5	-0.3	445,180	438,592	428,193	438,237	+1.6
arket categories :											
Automotive equipment	7,991	7,935	7,888	+0.7	+0.6	-0.5	8,176	7,933	7,626	7,989	+2.3
Home goods and apparel	32,117	32,143	32,102	-0.1	+0.1	-0.3	32,123	31,852	30,636	32,785	-2.0
Consumer staples	65,336	64,945	65,079	+0.6	-0.2	-0.1	65,432	64,803	64,746	64,320	+1.7
Machinery and equipment	114,632	113,301	111,648	+1.2	+1.5	-1.0	116,366	112,709	107,771	109,846	+5.9
Business supplies	26,148	26,094	26,062	+0.2	+0.1	-0.6	26,048	25,597	24,957	26,274	-0.9
Construction materials and supplies	26,276	26,223	26,198	+0.2	+0.1	+0.1	26,662	26,245	25,672	26,585	+0.3
Defense products	18,494	18,922	18,390	-2.3	+2.9	-2.0	18,277	18,555	17,691	18,945	-3.5
Other materials, supplies and and intermediate products	150,765	150,456	150,555	+0.2	-0.1	+0.3	152,096	150,898	149,094	151,493	+0.4
ırable goods industries :											
Nondefense capital goods [3]	108,727	107,415	106,010	+1.2	+1.3	-1.2	110,189	106,774	102,159	104,011	+5.9
Excluding aircraft and parts	70,666	70,442	70,145	+0.3	+0.4	-2.2	71,344	69,816	67,123	72,331	-1 4
Defense capital goods [4]	18,646	19,094	18,556	-2.3	+2.9	-1.6	18,395	18,640	17,725	19,139	-3.9
Durables excluding capital goods	152,301	151,881	151,873	+0.3	0.0	+0.1	153,716	151,910	149,422	152,424	+0 8
iscellaneous series :											
Producers' durable equipment	181,611	180,232	178,325	+0.8	+1.1	-0.6	183,856	179,451	172,934	177,115	+3.8
Household durable goods	15,572	15,648	15,638	-0.5	+0.1	-0.3	15,773	15,605	14,984	15,517	+1.6
Information technology industries	35,588	35,453	35,357	+0.4	+0.3	-1.9	35,926	35,075	33,604	37,007	-2.9
Health care equipment and products	16,153	15,992	15,903	+1.0	+0.6	+0.7	16,000	15,570	15,520	15,246	+4 9

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Feb. 1996	Feb. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	142,922	142,561	142,253	+0.3	+0.2	-0.4	143,488	143,513	142,322	146,892	-2.3
Durable goods industries	82,314	82,274	82,107	0.0	+0.2	-0.5	82,624	82,983	82,067	84,654	-2.4
Stone, clay, and glass products	2,846	2,817	2,801	+1.0	+0.6	-0.9	2,855	2,816	2,792	2,801	+1.9
Primary metals	7,907	7,829	7,799	+1.0	+0.4	-0.1	7,882	7,957	8,064	7,498	+5.1
Fabricated metal products	9,838	9,831	9,752	+0.1	+0.8	0.0	9,849	9,949	9,924	9,670	+1.9
Industrial machinery and equipment	16,754	16,631	16,670	+0.7	-0.2	-1.4	16,878	16,608	16,303	18,374	-8.1
Electronic and other electrical equipment	13,922	13,996	14,295	-0.5	-2.1	-1.1	13,849	13,980	14,094	15,040	-7.9
Transportation equipment	12,744	12,871	12,526	-1.0	+2.8	-0.3	12,856	12,983	12,432	12,773	+0.6
Instruments and related products	7,913	7,893	7,845	+0.3	+0.6	+2.6	7,875	7,921	7,746	7,516	+4.8
Lumber, furniture and miscellaneous durable goods	10,390	10,406	10,419	-0.2	-0.1	-1.1	10,580	10,769	10,712	10,982	-3.7
Nondurable goods industries	60,608	60,287	60,146	+0.5	+0.2	-0.3	60,864	60,530	60,255	62,238	-2.2
Food and kindred products	11,606	11,486	11,501	+1.0	-0.1	-0.6	11,766	11,774	11,726	11,854	-0.7
Tobacco products	4,831	4,835	4,779	-0.1	+1.2	+1.0	5,146	5,168	5,133	4,978	+3.4
Textile mill products	3,154	3,117	3,069	+1.2	+1.6	+0.7	3,217	3,124	3,028	3,066	+4.9
Paper and allied products	7,791	7,780	7,762	+0.1	+0.2	+0.2	7,808	7,743	7,797	8,501	-8.2
Chemicals and allied products	13,271	13,148	13,080	+0.9	+0.5	0.0	13,226	13,078	13,036	12,803	+3.3
Petroleum and coal products	4,463	4,502	4,345	-0.9	+3.6	+0.6	4,310	4,348	4,178	4,051	+6.4
Rubber and plastics products	5,923	5,984	5,923	-1.0	+1.0	+0.5	5,958	6,017	5,951	5,926	+0.5
Apparel, printing and publishing and leather goods	9,569	9,435	9,687	+1.4	-2.6	-2.4	9,433	9,278	9,406	11,059	-14.7
WORK IN PROCESS											
All manufacturing industries	148,294	147,582	146,669	+0.5	+0.6	-0.4	148,863	146,387	141,985	142,508	+4.5
Durable goods industries	121,838	121,301	120,476	+0.4	+0.7	-0.5	122,554	120,148	116,501	116,796	+4.9
Stone, clay, and glass products	1,251	1,265	1,261	-1.1	+0.3	-0.4	1,301	1,233	1,166	1,301	0.0
Primary metals	8,998	8,971	9,116	+0.3	-1.6	+1.5	8,961	8,884	9,033	8,955	+0.1
Fabricated metal products	7,317	7,241	7,148	+1.0	+1.3	-0.3	7,288	7,175	6,995	7,462	-2.3
Industrial machinery and equipment	23,612	23,740	23,941	-0.5	-0.8	-0.4	23,835	23,469	22,673	24,257	-1.7
Electronic and other electrical equipment	15,145	15,120	15,327	+0.2	-1.4	-2.1	15,233	14,966	14,805	14,735	+3.4
Transportation equipment	49,732	49,089	47,937	+1.3	+2.4	-0.6	50,171	48,877	46,707	44,760	+12.1
Instruments and related products	11,278	11,381	11,273	-0.9	+1.0	+0.1	11,246	11,079	10,793	10,658	+5.5
Lumber, furniture and miscellaneous durable goods	4,505	4,494	4,473	+0.2	+0.5	+0.2	4,519	4,465	4,329	4,668	-3.2
Nondurable goods industries	26,456	26,281	26,193	+0.7	+0.3	-0.2	26,309	26,239	25,484	25,712	+2.3
Food and kindred products	4,591	4,573	4,540	+0.4	+0.7	-3.0	4,567	4,784	4,788	4,438	+2.9
Tobacco products	282	248	418	+13.7	-40.7	+25.1	275	274	446	243	+13.2
Textile mill products	2,663	2,653	2,694	+0.4	-1.5	0.0	2,666	2,659	2,572	2,824	-5.6
Paper and allied products	1,782	1,779	1,795	+0.2	-0.9	+1.2	1,772	1,787	1,773	1,778	-0.3
Chemicals and allied products	6,950	6,829	6,774	+1.8	+0.8	+2.9	6,975	6,772	6,636	6,763	+3.1
Petroleum and coal products	2,676	2,728	2,628	-1.9	+3.8	+1.7	2,611	2,681	2,459	2,317	+12.7
Rubber and plastics products	2,098	2,051	2,042	+2.3	+0.4	-1.2	2,156	2,089	2,027	2,095	+2.9
Apparel, printing and publishing and leather goods	5,414	5,420	5,302	-0.1	+2.2	-4.1	5,287	5,193	4,783	5,254	+0.6
FINISHED GOODS											
All manufacturing industries	150,543	149,876	149,000	+0.4	+0.6	-0.2	152,829	148,692	143,886	148,837	+2.7
Durable goods industries	75,522	74,815	73,856	+0.9	+1.3	-0.7	77,122	74,193	70,738	74,124	+4.0
Stone, clay, and glass products	4,439	4,429	4,370	+0.2	+1.4	+1.6	4,572	4,436	4,243	4,505	+1.5
Primary metals	7,111	7,152	7,245	-0.6	-1.3	+0.5	7,259	7,161	7,099	7,246	+0.2
Fabricated metal products	9,315	9,299	9,296	+0.2	0.0	+0.7	9,530	9,159	8,789	9,349	+1.9
Industrial machinery and equipment	17,757	17,472	17,024	+1.6	+2.6	-4.0	18,368	17,675	16,581	17,670	+4.0
Electronic and other electrical equipment	11,924	11,782	11,531	+1.2	+2.2	+0.3	11,921	11,556	10,827	11,189	+6.5
Transportation equipment	8,215	7,975	7,712	+3.0	+3.4	+1.1	8,518	7,773	7,088	7,981	+6.7
Instruments and related products	6,031	5,982	5,918	+0.8	+1.1	-1.7	5,965	5,728	5,737	5,961	+0.1
Lumber, furniture and miscellaneous durable goods	10,730	10,724	10,760	+0.1	-0.3	+0.1	10,989	10,705	10,374	10,223	+7.5
Nondurable goods industries	75,021	75,061	75,144	-0.1	-0.1	+0.3	75,707	74,499	73,148	74,713	+1.3
Food and kindred products	17,182	17,036	17,244	+0.9	-1.2	0.0	17,229	16,917	17,063	16,984	+1.4
Tobacco products	863	944	839	-8.6	+12.5	-16.6	1,033	1,092	885	836	+23.6
Textile mill products	4,237	4,331	4,306	-2.2	+0.6	-0.9	4,313	4,308	4,020	4,500	-4.2
Paper and allied products	6,783	6,830	6,921	-0.7	-1.3	-1.4	6,907	6,845	6,703	7,494	-7.8
Chemicals and allied products	19,909	19,892	19,965	+0.1	-0.4	+0.9	20,341	19,905	19,857	19,577	+3.9
Petroleum and coal products	5,876	5,994	5,937	-2.0	+1.0	+2.7	5,781	5,849	5,614	5,376	+7.5
Rubber and plastics products	7,818	7,761	7,699	+0.7	+0.8	+1.1	8,114	7,828	7,550	7,556	+7.4
Apparel, printing and publishing and leather goods	12,353	12,273	12,233	+0.7	+0.3	+1.2	11,989	11,755	11,456	12,390	-3.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Nov. 1996	Feb. 1997[p]	Jan. 1997[r]	Dec. 1996	Nov 1996
All manufacturing industries	1.37	1.38	1.39	1.38	2.94	2.98	2.95	2.94
urable goods industries	1.62	1.63	1.64	1.63	3.52	3.57	3.54	3 52
Stone, clay, and glass products	1.15	1.18	1.23	1.20	0.93	0.99	1.04	0.98
Primary metals	1.53	1.54	1.59	1.59	1.95	1.97	2.00	2 01
Fabricated metal products	1.46	1.48	1.49	1.47	1.43	1.44	1.44	1 42
Industrial machinery and equipment	1.81	1.80	1.77	1.84	2.42	2.40	2.34	2.42
Electronic and other electrical equipment	1.46	1.52	1.48	1.46	1.87	1.87	1.76	1.85
Transportation equipment	1.77	1.75	1.78	1.75	12.47	12.78	12.89	12 68
Instruments and related products	1.91	1.99	1.97	1.95	3.66	3.76	3.71	3.64
ondurable goods industries	1.09	1.09	1.10	1.10	0.68	0.70	0.70	0.71
Food and kindred products	0.85	0.84	0.86	0.84	(X)	(X)	(X)	(X)
Tobacco products	2.06	1.96	2.08	2.18	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.51	1.52	1.55	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.23	1.23	1.24	1.25	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.23	1.24	1.24	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.80	0.78	0.76	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.31	1.33	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery. otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1997	Feb.[2] 1992-1996	Feb. 1996-Jan. 1997	Feb.[1] 1997	Feb.[2] 1992-1996	Feb. 1996-Jan. 1997	Feb.[1] 1997	Feb.[2] 1992-1996	Feb. 1996-Jan. 1997	Feb.[1] 1997	Feb.[2] 1992-1996	Feb. 1996-Jan. 1997
All manufacturing industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.0	0.0
urable goods industries	0.2	0.1	0.2	0.0	0.2	0.2	-0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	1.2	0.6	(X)	1.0	0.6	(X)	0.2	0.2
Primary metals	0.3	0.3	0.4	0.1	0.9	0.9	-0.1	0.4	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.4	0.3	(X)	0.8	0.5	(X)	0.3	0.3	(X)	0.1	0.1
ndustrial machinery and equipment	0.0	0.2	0.4	-0.3	0.4	0.5	-0.1	0.1	0.1	(X)	0.0	0 2
Electronic and other electrical equipment	-0.4	0.1	0.3	-0.3	0.4	0.7	0.0	0.2	0.3	(X)	0.0	0.2
Transportation equipment	0.0	0.6	0.6	-0.5	0.7	0.8	-0.2	0.1	0.1	(X)	0.0	0.1
nstruments and related products	(X)	0.3	0.5	(X)	2.0	1.0	(X)	0.4	0.3	(X)	0.4	0 2
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0 0
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0 2
Paper and allied products	(X)	0.3	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0 1
Chemicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0 1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0 2
pital goods industries												
Nondefense	0.2	0.1	0.3	-0.2	0.3	0.4	-0.1	0.1	0.1	(X)	0.0	0.1
Defense	0.0	0.6	0.7	-2.7	5.0	4.5	-0.3	0.3	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nonthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the lurable goods industries are shown in the advance report for the month.

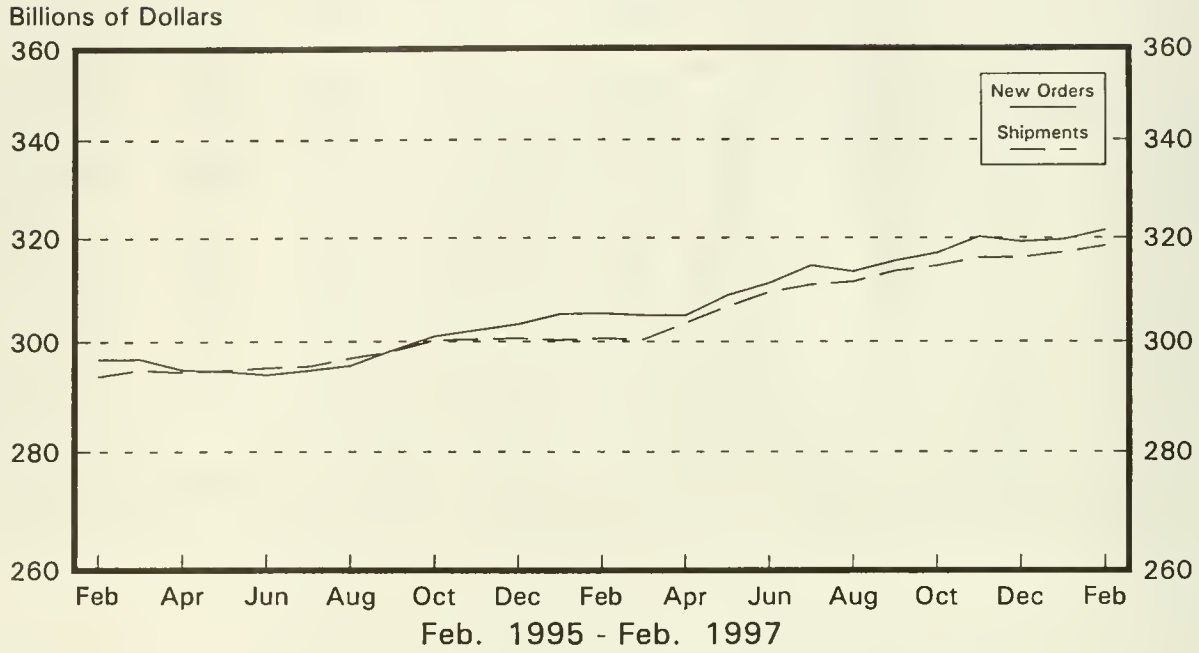
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

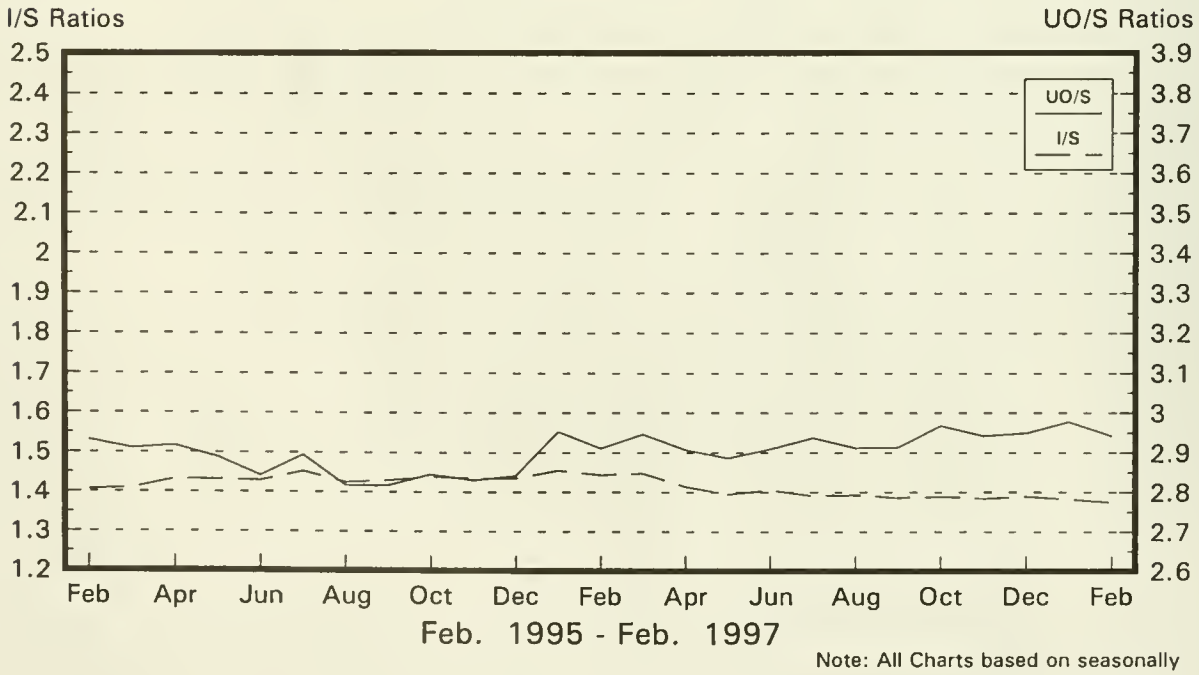
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

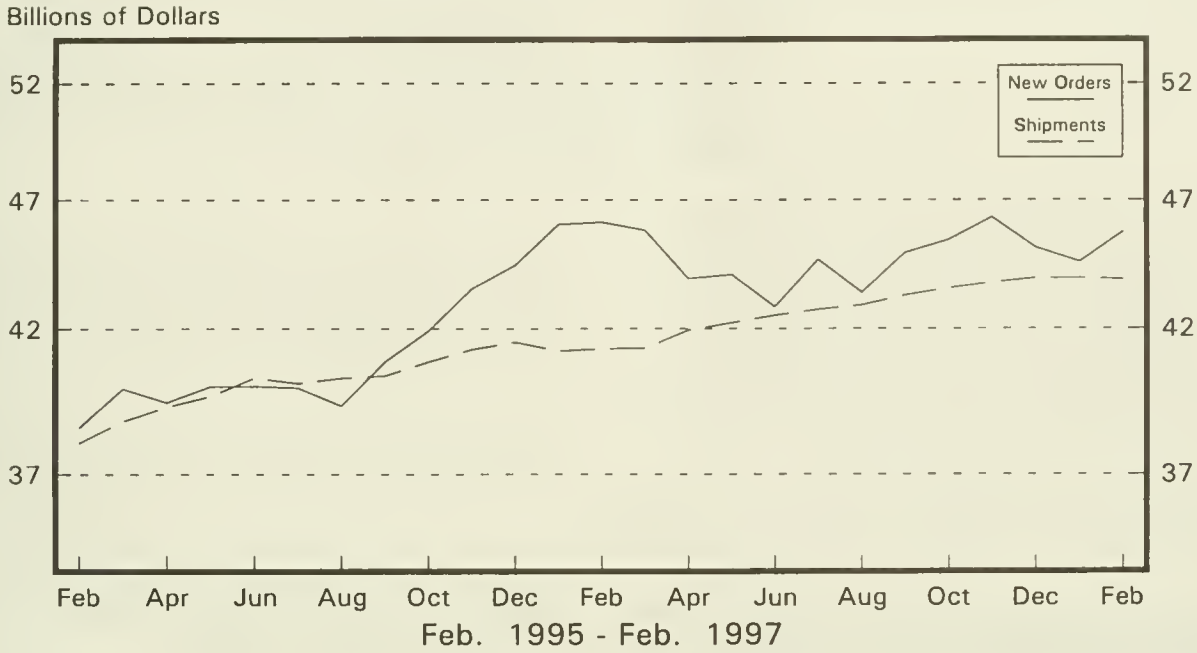
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

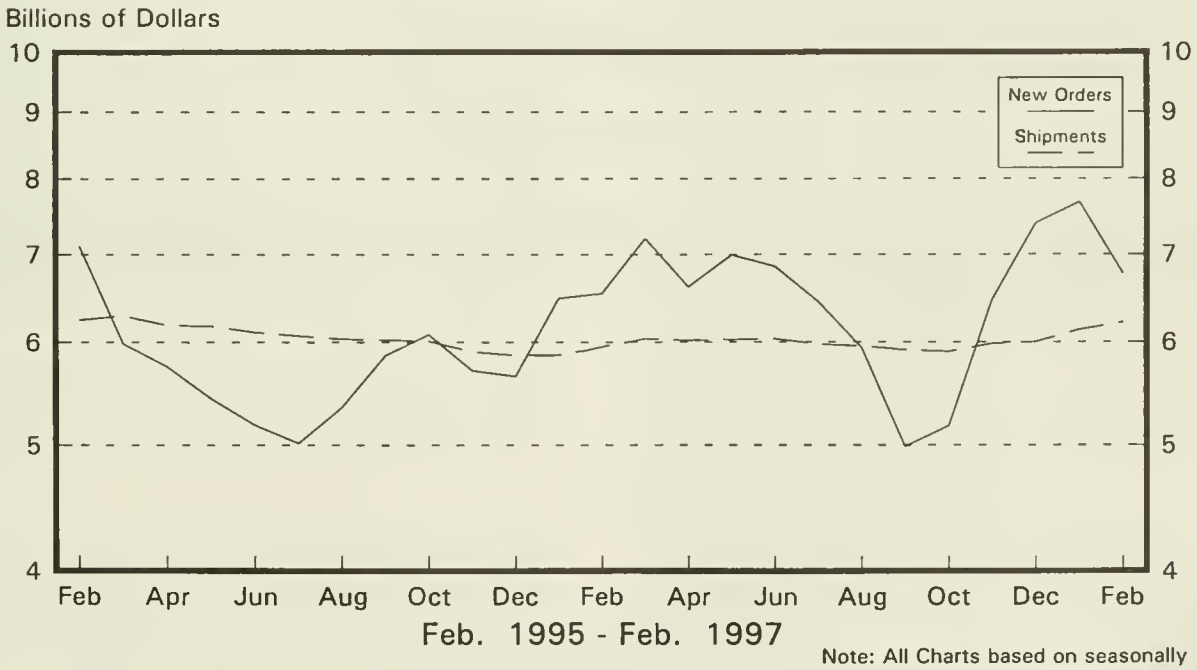
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid June. The revisions to the historical data are the result of:

- benchmarking the shipments and inventory data to the 1993-1995 Annual Survey of Manufactures (ASM).
- adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data.
- correcting monthly data for late receipts, reclassification of reported data, and revisions to previously reported data.
- updating the seasonal adjustment factors for all series.

The publication will include data from 1987-December 1996. An accompanying press release will include the revised 1997 January - April data. Please call Kathy Menth on (301) 457-4832 with questions.

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DEPOSITORY

JUL 3 1 1997

Manufacturers' Shipments, Inventories, and Orders

March 1997

M3-1-(97)-03

For Wire Transmissions 10:00 a.m. E.D.T. May 6, 1997

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March decreased $5.2 billion or 1.6 percent to $319.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent February increase and is the first decline since December. Excluding transportation, new orders decreased 1.2 percent, following a 1.5 percent February increase. Year to date, new orders are 5.7 percent above the same period a year ago; first quarter new orders are 1.0 percent above fourth quarter 1996.

Shipments, down for the first month since December, decreased $0.3 billion or 0.1 percent to $321.1 billion, following a 0.9 percent February increase. Year to date, shipments are 6.7 percent above the same period a year ago; first quarter shipments are 1.3 percent above fourth quarter 1996.

Unfilled orders, down for the first month since August, decreased $1.9 billion or 0.4 percent to $520.1 billion, following a 0.6 percent February increase. The unfilled orders-to-shipments ratio was 2.90, down from 2.92 in February.

Inventories, up eight of the last nine months, increased $0.8 billion or 0.2 percent to $442.7 billion, following a 0.4 percent February increase. The inventories-to-shipments ratio was 1.38, up from 1.37 in February.

New Orders

New orders for manufactured durable goods in March decreased $4.6 billion or 2.6 percent to $172.4 billion, revised from the previously published 3.0 percent decrease. This follows increases of 1.0 percent in February and 3.8 percent in January.

Transportation equipment, down three of the last four months, had the largest decline, $1.8 billion or 4.6 percent to $37.4 billion, due to declines in aircraft and parts and motor vehicles and parts. This follows a 7.2 percent February decrease. Electronic and other electrical equipment, down for the first month since December, decreased $1.5 billion or 4.9 percent to $29.1 billion, mostly due to electronic components and communication equipment. This follows a 7.8 percent February increase. Instruments and related products, down for the first month since September, decreased $0.8 billion or 5.7 percent to $13.2 billion, following a 5.9 percent February increase. Fabricated metal products, down for the first month since December, decreased $0.4 billion or 2.3 percent to $17.9 billion, following a 1.8 percent February increase. Industrial machinery and equipment, down for the first month since November, decreased $0.3 billion or 1.0 percent to $32.8 billion. This follows a 2.0 percent February increase. Stone, clay, and glass products, up for the fourth consecutive month, increased $0.2 billion or 2.1 percent to $7.5 billion, following a 1.4 percent February increase.

New orders for nondurable goods, down three of the last four months, decreased $0.5 billion or 0.3 percent to $146.8 billion, following a 0.4 percent February decrease. Petroleum and coal products and paper and allied products had the largest decreases. Printing and publishing had the largest increase.

Shipments

Shipments of durable goods in March, up for the third consecutive month, increased $1.1 billion or 0.6 percent to $174.9 billion, revised from the previously published 0.7 percent increase. This follows a 2.0 percent February increase. Electronic and other electrical equipment had the largest increase, $0.9 billion or 3.1 percent to $29.5 billion. This follows a 6.1 percent February increase and is the sixth increase in the last eight months. Industrial machinery and equipment, up three of the last four months, increased $0.6 billion or 1.8 percent to $32.9 billion, following a 0.5 percent February increase. Fabricated metal products, down for the first month since December, decreased $0.2 billion or 1.3 percent to $17.9 billion, following a 1.6 percent February increase. Instruments and related products, down three of the last four months, decreased $0.1 billion or 1.1 percent to $13.1 billion. This follows a 4.4 percent February increase. Primary metals, down for the first month since September, decreased 0.3 percent to $15.6 billion, following a 0.8 percent February increase. Transportation equipment, down for the first month since December, decreased slightly to $39.9 billion.

Shipments of nondurable goods, down three of the last four months, decreased $1.4 billion or 0.9 percent to $146.3 billion. This follows a 0.3 percent February decrease. Petroleum and coal products had the largest decrease, $0.6 billion or 3.9 percent to $15.4 billion. This follows a 3.0 percent February decrease and is the fourth consecutive monthly decline.

Unfilled Orders

Unfilled orders for durable goods in March decreased $2.4 billion or 0.5 percent to $494.9 billion, revised from the previously published 0.7 percent decline. This follows a 0.7 percent February increase and is the first decline since August 1996.

Transportation equipment decreased $2.5 billion or 1.0 percent to $251.9 billion, due to aircraft and parts. This follows a 0.3 percent February decrease and five consecutive increases. Electronic and other electrical equipment, down for the first month since December, decreased $0.4 billion or 0.7 percent to $52.0 billion, following a 4.1 percent February increase. Industrial machinery and equipment, down for the first month since December, decreased $0.1 billion or 0.1 percent to $73.2 billion, following a 1.2 percent February increase. Primary metals, up for the third consecutive month, increased $0.2 billion or 0.7 percent to $31.0 billion, following a 0.4 percent February increase. Instruments and related products, up for the fifth consecutive month, increased $0.2 billion or 0.3 percent to $48.6 billion, following a 1.7 percent February increase.

Inventories

Inventories of durable goods in March, up eight of the last nine months, increased $0.5 billion or 0.2 percent to $280.1 billion. This follows a 0.5 percent February increase. Fabricated metal products, up for the sixth consecutive month, increased $0.3 billion or 1.0 percent to $26.8 billion, following a 0.7 percent February increase. Primary metals, up four of the last five months, increased $0.2 billion or 0.9 percent to $24.3 billion, following a 0.4 percent February increase. Transportation equipment, up ten of the last eleven months, increased $0.1 billion or 0.2 percent to $70.9 billion. This follows a 1.2 percent February increase. Electronic and other electrical equipment, down for the fourth consecutive month, decreased $0.2 billion or 0.4 percent to $40.7 billion.

Inventories of nondurable goods, up for the eighth consecutive month, increased $0.4 billion or 0.2 percent to $162.6 billion, following a 0.4 percent February increase. Food and kindred products and chemicals and allied products had the largest increases.

By stage of fabrication, March finished goods decreased 0.9 percent in durables and increased 0.3 percent in nondurables. Work in progress increased 0.4 percent in durables and 0.1 percent in nondurables. Materials and supplies increased 0.8 percent in durables and 0.1 percent in nondurables.

(See Back Page for Upcoming Revisions)
Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for May is scheduled for May 28, 1997 at 8:30 a.m. and the full report on June 4, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96	1997[p]	1996
All manufacturing industries	321,149	321,419	318,498	-0.1	+0.9	+1.0	336,581	319,329	288,346	315,096	+6.8	944,256	884,405
Manufacturing Industries													
with unfilled orders	179,554	178,645	174,399	+0.5	+2.4	0.0	191,194	176,676	154,638	178,105	+7.3	522,508	491,174
without defense capital goods	314,954	314,986	312,437	0.0	+0.8	+1.1	330,008	312,870	283,396	308,560	+7.0	926,274	867,123
Durable goods industries	174,862	173,741	170,313	+0.6	+2.0	+0.9	188,513	174,509	151,247	172,628	+9.2	514,269	476,458
With unfilled orders	143,426	142,249	138,239	+0.8	+2.9	0.0	155,035	140,892	121,520	142,215	+9.0	417,447	387,345
Stone, clay, and glass products	7,425	7,475	7,214	-0.7	+3.6	+5.3	7,227	6,882	6,203	6,452	+12.0	20,312	18,199
Primary metals	15,637	15,680	15,557	-0.3	+0.8	+2.6	16,271	16,131	14,817	15,389	+5.7	47,219	44,601
Blast furnaces, steel mills	6,343	6,369	6,406	-0.4	-0.6	+2.1	6,546	6,616	6,228	6,218	+5.3	19,390	18,464
Iron and steel foundries	1,403	1,436	1,434	-2.3	+0.1	+4.1	1,439	1,490	1,353	1,361	+5.7	4,282	3,938
Nonferrous and other primary metals	7,891	7,875	7,717	+0.2	+2.0	+2.8	8,286	8,025	7,236	7,810	+6.1	23,547	22,199
Fabricated metal products	17,867	18,096	17,803	-1.3	+1.6	+1.6	18,522	18,220	16,384	17,284	+7.2	53,126	49,557
Industrial machinery and equipment	32,885	32,288	32,116	+1.8	+0.5	-1.4	38,733	31,927	27,158	36,880	+5.0	97,818	93,908
Engines and turbines	1,677	1,633	1,707	+2.7	-4.3	-0.1	1,943	1,629	1,361	2,040	-4.8	4,933	5,219
Farm and garden machinery	1,936	1,845	1,884	+4.9	-2.1	+5.4	2,668	2,213	1,699	2,468	+8.1	6,580	6,330
Construction, mining and material handling equipment	3,824	3,771	3,677	+1.4	+2.6	-0.6	4,271	4,024	3,309	3,940	+8.4	11,604	10,747
Metalworking machinery	3,396	3,301	3,273	+2.9	+0.9	-1.3	3,678	3,233	2,591	3,341	+10.1	9,502	8,787
Computer and office equipment	9,224	8,922	9,032	+3.4	-1.2	-1.4	12,046	7,780	6,821	11,341	+6.2	26,647	25,184
Electronic and other electrical equipment	29,478	28,594	26,947	+3.1	+6.1	-2.9	31,600	27,550	23,182	28,235	+11.9	82,332	76,182
Electrical transmission and distribution equipment and industrial apparatus	3,141	3,171	3,171	-0.9	0.0	+4.0	3,387	3,236	2,780	3,268	+3.6	9,403	8,994
Household appliances	2,105	2,098	2,019	+0.3	+3.9	-2.0	2,318	1,988	1,661	2,244	+3.3	5,967	5,772
Electric lighting and wiring equipment	2,071	2,090	2,072	-0.9	+0.9	-0.2	2,232	2,183	1,848	2,161	+3.3	6,263	5,984
Household audio and video equipment	1,348	1,336	1,305	+0.9	+2.4	-1.2	1,277	1,213	1,038	1,185	+7.8	3,528	3,163
Communications equipment	6,682	6,486	5,859	+3.0	+10.7	-8.6	7,416	5,857	4,438	6,469	+14.6	17,711	15,954
Electronic components	12,149	11,380	10,423	+6.8	+9.2	-4.5	13,085	11,067	9,569	11,024	+18.7	33,721	30,733
Transportation equipment	39,890	39,894	39,853	0.0	+0.1	+3.9	43,027	42,808	36,206	37,843	+13.7	122,041	110,233
Motor vehicles and parts	27,185	27,685	28,234	-1.8	-1.9	+8.1	28,961	30,822	27,069	25,441	+13.8	86,852	79,291
Aircraft, missiles, space vehicles, and parts	9,951	9,340	9,145	+6.5	+2.1	-1.4	11,067	9,095	7,047	9,043	+22.4	27,209	22,358
Shipbuilding and tanks	794	800	735	-0.8	+8.8	-18.5	827	831	554	840	-1.5	2,212	2,399
Instruments and related products	13,088	13,235	12,683	-1.1	+4.4	0.0	13,994	13,092	11,303	13,205	+6.0	38,389	36,264
Search and navigation equipment	2,644	2,656	2,574	-0.5	+3.2	+0.7	2,868	2,730	2,251	2,659	+7.9	7,849	7,422
Measuring and controlling devices	3,818	4,017	3,649	-5.0	+10.1	-4.0	4,196	3,986	3,318	4,180	+0.4	11,500	11,262
Medical instruments and supplies	4,227	4,176	4,102	+1.2	+1.8	-0.3	4,544	4,142	3,692	4,182	+8.7	12,378	11,451
Photographic goods	1,966	1,944	1,902	+1.1	+2.2	+6.4	1,946	1,817	1,621	1,821	+6.9	5,384	5,128
All other durable goods	18,592	18,479	18,140	+0.6	+1.9	+1.7	19,139	17,899	15,994	17,340	+10.4	53,032	47,514
Nondurable goods industries	146,287	147,678	148,185	-0.9	-0.3	+1.1	148,068	144,820	137,099	142,468	+3.9	429,987	407,947
With unfilled orders	36,128	36,396	36,160	-0.7	+0.7	-0.3	36,159	35,784	33,118	35,890	+0.7	105,061	103,829
Food and kindred products	39,443	39,242	39,472	+0.5	-0.6	+2.0	39,727	38,116	36,423	38,221	+3.9	114,266	110,399
Meat products	9,148	9,092	8,942	+0.6	+1.7	0.0	9,047	8,810	8,264	8,835	+2.4	26,121	25,645
Dairy products	4,985	4,884	5,018	+2.1	-2.7	+0.6	5,045	4,728	4,837	4,737	+6.5	14,610	13,824
Beverages	5,805	5,751	5,702	+0.9	+0.9	-0.3	5,764	5,153	4,760	5,482	+5.1	15,677	15,171
All other foods, except fats and oils	17,438	17,440	17,771	0.0	-1.9	+5.5	17,804	17,350	16,523	17,317	+2.8	51,677	50,037
Tobacco products	3,011	2,911	3,070	+3.4	-5.2	+6.0	3,183	2,761	2,956	2,852	+11.6	8,900	7,909
Textile mill products	6,734	6,765	6,696	-0.5	+1.0	+0.9	7,140	6,609	5,709	6,797	+5.0	19,458	18,230
Broadwoven fabrics and other textiles	4,135	4,090	4,050	+1.1	+1.0	+0.5	4,511	4,050	3,547	4,242	+6.3	12,108	11,430
Paper and allied products	13,062	13,287	13,313	-1.7	-0.2	+0.3	13,178	13,347	12,737	13,741	-4.1	39,262	40,818
Pulp, paper, and paperboard mill products	5,320	5,294	5,225	+0.5	+1.3	-0.1	5,363	5,254	4,971	5,499	-2.5	15,588	16,656
Paperboard containers and boxes	3,337	3,401	3,471	-1.9	-2.0	-0.2	3,414	3,433	3,323	3,643	-6.3	10,170	10,677
Miscellaneous converted paper products	4,405	4,592	4,617	-4.1	-0.5	+1.1	4,401	4,660	4,443	4,599	-4.3	13,504	13,485
Chemicals and allied products	32,266	32,610	32,510	-1.1	+0.3	+1.6	33,950	32,299	31,067	31,402	+8.1	97,316	89,557
Industrial chemicals	16,102	16,291	15,884	-1.2	+2.6	+0.5	16,730	16,569	15,124	15,628	+7.1	48,423	45,109
Drugs, soaps, and toiletries	11,929	12,043	12,423	-0.9	-3.1	+2.9	12,311	11,499	12,218	11,662	+5.6	36,028	32,989
Petroleum and coal products	15,450	16,071	16,574	-3.9	-3.0	-0.2	14,484	15,087	15,263	13,652	+6.1	44,834	38,908
Rubber and plastics products	12,020	12,147	12,097	-1.0	+0.4	+2.7	12,570	12,268	11,243	12,317	+2.1	36,081	34,630
All other nondurable goods	24,301	24,645	24,453	-1.4	+0.8	-0.9	23,836	24,333	21,701	23,486	+1.5	69,870	67,496

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96	1997[p]	1996
All manufacturing industries	319,206	324,369	323,210	-1.6	+0.4	+2.5	335,260	324,898	299,579	321,970	+4.1	959,737	908,795
anufacturing industries													
vith unfilled orders	177,611	181,595	179,111	-2.2	+1.4	+2.6	189,873	182,245	165,871	184,979	+2.6	537,989	515,564
vithout defense capital goods	314,447	318,857	317,009	-1.4	+0.6	+3.1	327,619	319,263	294,280	310,299	+5.6	941,162	885,385
rable goods industries	172,425	177,075	175,370	-2.6	+1.0	+3.8	186,096	180,302	162,387	179,521	+3.7	528,785	500,111
Vith unfilled orders	140,989	145,583	143,296	-3.2	+1.6	+3.6	152,618	146,685	132,660	149,108	+2.4	431,963	410,998
one, clay, and glass products	7,475	7,321	7,222	+2.1	+1.4	+1.8	7,220	6,983	6,371	6,355	+13.6	20,574	18,531
mary metals	15,864	15,817	15,892	+0.3	-0.5	+5.1	17,094	17,009	16,580	15,654	+9.2	50,683	47,213
Blast furnaces, steel mills	6,173	6,254	6,339	-1.3	-1.3	+2.0	6,435	6,958	7,065	6,135	+4.9	20,458	19,732
Iron and steel foundries	1,514	1,489	1,496	+1.7	-0.5	-2.0	1,601	1,679	1,532	1,401	+14.3	4,812	4,515
Nonferrous and other primary metals	8,177	8,074	8,057	+1.3	+0.2	+9.3	9,058	8,372	7,983	8,118	+11.6	25,413	22,966
bricated metal products	17,912	18,343	18,013	-2.3	+1.8	+2.6	18,576	18,674	16,762	17,406	+6.7	54,012	50,050
lustrial machinery and equipment	32,818	33,154	32,500	-1.0	+2.0	+0.9	37,438	33,071	28,544	35,347	+5.9	99,053	95,300
Engines and turbines	1,802	2,046	1,678	-11.9	+21.9	-2.2	1,694	1,773	1,211	1,427	+18.7	4,678	4,491
Construction, mining and material handling equipment	3,891	3,760	3,804	+3.5	-1.2	-0.6	4,476	4,100	3,864	3,968	+12.8	12,440	11,589
Metalworking machinery	3,347	3,525	3,463	-5.0	+1.8	+17.5	3,629	3,457	2,781	3,358	+8.1	9,867	9,204
Computer and office equipment	8,746	8,806	9,022	-0.7	-2.4	-4.8	11,206	7,904	6,627	10,973	+2.1	25,737	24,589
ctronic and other lectrical equipment	29,126	30,632	28,419	-4.9	+7.8	+17.8	29,455	30,127	26,762	27,062	+8.8	86,344	76,637
Electrical transmission and distribution equipment and industrial apparatus	3,259	3,272	3,217	-0.4	+1.7	+4.7	3,496	3,415	3,024	3,289	+6.3	9,935	9,160
Electric lighting and wiring equipment	1,985	2,038	2,182	-2.6	-6.6	-1.4	2,146	2,131	1,958	2,181	-1.6	6,235	6,167
Communications equipment	6,977	7,499	6,100	-7.0	+22.9	+41.1	7,710	6,908	4,643	7,014	+9.9	19,261	17,213
Electronic components	11,360	12,294	11,320	-7.6	+8.6	+24.1	10,705	12,407	11,866	9,532	+12.3	34,978	29,173
nsportation equipment	37,406	39,213	42,278	-4.6	-7.2	+1.5	42,895	42,263	39,370	47,302	-9.3	124,528	127,371
Aircraft, missiles, space vehicles, and parts.	7,356	9,294	11,530	-20.9	-19.4	+3.3	10,771	9,052	9,816	19,060	-43.5	29,639	39,220
Shipbuilding and tanks	504	325	660	+55.1	-50.8	-68.6	592	394	557	608	-2.6	1,543	2,850
truments and related products	13,249	14,056	13,268	-5.7	+5.9	+0.9	14,100	14,096	11,933	12,853	+9.7	40,129	36,681
Search and navigation equipment	2,835	3,398	2,495	-16.6	+36.2	-6.8	3,265	3,528	2,033	2,680	+21.8	8,826	7,638
Measuring and controlling devices	3,850	3,997	3,901	-3.7	+2.5	-9.3	4,228	3,966	3,570	4,015	+5.3	11,764	11,351
Medical instruments and supplies	4,127	4,149	4,508	-0.5	-8.0	+17.0	4,032	4,190	4,294	3,786	+6.5	12,516	11,334
other durable goods	18,575	18,539	17,778	+0.2	+4.3	-1.0	19,318	18,079	16,065	17,542	+10.1	53,462	48,328
ndurable goods industries	146,781	147,294	147,840	-0.3	-0.4	+0.9	149,164	144,596	137,192	142,449	+4.7	430,952	408,684
With unfilled orders	36,622	36,012	35,815	+1.7	+0.6	-1.1	37,255	35,560	33,211	35,871	+3.9	106,026	104,566

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), lanufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96
All manufacturing industries	520,117	522,060	519,110	-0.4	+0.6	+0.9	524,244	525,565	519,996	498,865	+5.1
Manufacturing industries without defense capital goods	412,036	412,543	408,672	-0.1	+0.9	+1.1	413,313	415,702	409,309	389,626	+6.1
Durable goods industries	494,868	497,305	493,971	-0.5	+0.7	+1.0	498,931	501,348	495,555	475,368	+5.0
Stone, clay, and glass products	6,667	6,617	6,771	+0.8	-2.3	+0.1	6,766	6,773	6,672	7,094	-4.6
Primary metals	30,964	30,737	30,600	+0.7	+0.4	+1.1	32,679	31,856	30,978	30,887	+5.8
Blast furnaces, steel mills	12,082	12,252	12,367	-1.4	-0.9	-0.5	12,819	12,930	12,588	12,946	-1.0
Iron and steel foundries	4,656	4,545	4,492	+2.4	+1.2	+1.4	4,852	4,690	4,501	4,147	+17.0
Nonferrous and other primary metals	14,226	13,940	13,741	+2.1	+1.4	+2.5	15,008	14,236	13,889	13,794	+8.8
Fabricated metal products	24,166	24,121	23,874	+0.2	+1.0	+0.9	24,269	24,215	23,761	21,814	+11.3
Industrial machinery and equipment	73,220	73,287	72,421	-0.1	+1.2	+0.5	73,206	74,501	73,357	71,956	+1.7
Engines and turbines	11,816	11,691	11,278	+1.1	+3.7	-0.3	11,558	11,807	11,663	10,707	+7.9
Construction, mining and material handling equipment	9,351	9,284	9,295	+0.7	-0.1	+1.4	9,790	9,585	9,509	9,525	+2.8
Metalworking machinery	8,878	8,927	8,703	-0.5	+2.6	+2.2	8,878	8,927	8,703	8,884	-0.1
Computer and office equipment	9,770	10,248	10,364	-4.7	-1.1	-0.1	9,213	10,053	9,929	9,181	+0.3
Electronic and other electrical equipment	51,969	52,321	50,283	-0.7	+4.1	+3.0	51,213	53,358	50,781	49,440	+3.6
Electrical transmission and distribution equipment and industrial apparatus	6,710	6,592	6,491	+1.8	+1.6	+0.7	6,816	6,707	6,528	6,227	+9.5
Electric lighting and wiring equipment	4,441	4,527	4,579	-1.9	-1.1	+2.5	4,441	4,527	4,579	4,113	+8.0
Communications equipment	14,878	14,583	13,570	+2.0	+7.5	+1.8	14,870	14,576	13,525	15,763	-5.7
Electronic components	21,416	22,205	21,291	-3.6	+4.3	+4.4	20,517	22,897	21,557	19,231	+6.7
Transportation equipment	251,919	254,403	255,084	-1.0	-0.3	+1.0	254,553	254,685	255,230	238,299	+6.8
Aircraft, missiles, space vehicles, and parts	221,184	223,779	223,825	-1.2	0.0	+1.1	223,542	223,838	223,881	207,916	+7.5
Shipbuilding and tanks	17,229	17,519	17,994	-1.7	-2.6	-0.4	17,245	17,480	17,917	17,438	-1.1
Instruments and related products	48,609	48,448	47,627	+0.3	+1.7	+1.2	49,114	49,008	48,004	48,566	+1.1
Search and navigation equipment	29,069	28,878	28,136	+0.7	+2.6	-0.3	29,569	29,172	28,374	30,009	-1.5
Measuring and controlling devices	10,392	10,360	10,380	+0.3	-0.2	+2.5	10,392	10,360	10,380	10,193	+2.0
Medical instruments and supplies	7,891	7,991	8,018	-1.3	-0.3	+5.3	7,749	8,261	8,213	7,384	+4.9
All other durable goods	7,354	7,371	7,311	-0.2	+0.8	-4.7	7,131	6,952	6,772	7,312	-2.5
Nondurable goods industries	25,249	24,755	25,139	+2.0	-1.5	-1.4	25,313	24,217	24,441	23,497	+7.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96
All manufacturing industries	442,729	441,908	440,019	+0.2	+0.4	+0.5	442,647	445,350	438,592	434,776	+1.8
nufacturing industries											
th unfilled orders	297,265	296,749	295,380	+0.2	+0.5	+0.6	296,268	298,342	293,078	291,264	+1.7
thout defense capital goods	424,379	423,249	420,925	+0.3	+0.6	+0.4	424,460	426,903	419,952	415,389	+2.2
rable goods industries	280,147	279,684	278,390	+0.2	+0.5	+0.7	279,664	282,346	277,324	272,817	+2.5
/ith unfilled orders	257,889	257,400	256,233	+0.2	+0.5	+0.7	256,854	259,086	254,597	249,971	+2.8
ne, clay, and glass products	8,508	8,526	8,511	-0.2	+0.2	+0.9	8,700	8,722	8,485	8,598	+1.2
mary metals	24,255	24,042	23,952	+0.9	+0.4	-0.9	24,198	24,101	24,002	23,794	+1.7
Blast furnaces, steel mills	12,211	12,062	12,041	+1.2	+0.2	-1.4	12,028	12,128	12,259	11,636	+3.4
ron and steel foundries	1,508	1,512	1,499	-0.3	+0.9	+0.3	1,550	1,525	1,475	1,482	+4.6
Nonferrous and other primary metals	10,536	10,468	10,412	+0.6	+0.5	-0.3	10,620	10,448	10,268	10,676	-0.5
ricated metal products	26,802	26,549	26,371	+1.0	+0.7	+0.7	27,083	26,707	26,283	26,397	+2.6
ustrial machinery and equipment	57,974	58,039	57,843	-0.1	+0.3	+0.4	57,421	59,039	57,752	58,528	-1.9
Engines and turbines	3,792	3,840	3,823	-1.3	+0.4	-1.8	3,654	3,747	3,632	3,646	+0.2
Farm and garden machinery	2,930	2,939	2,877	-0.3	+2.2	+3.3	3,117	3,277	3,164	3,055	+2.0
Construction, mining and material handling equipment	7,309	7,341	7,358	-0.4	-0.2	+0.2	7,426	7,451	7,367	7,207	+3.0
Metalworking machinery	7,294	7,163	7,000	+1.8	+2.3	+0.5	7,192	7,137	6,878	6,928	+3.8
Computer and office equipment	11,759	11,839	11,718	-0.7	+1.0	-0.4	11,077	12,237	11,659	12,847	-13.8
ctronic and other ectrical equipment	40,741	40,897	40,898	-0.4	0.0	-0.6	40,365	40,948	40,502	40,313	+0.1
lectrical transmission and distribution equipment and ndustrial apparatus	4,851	4,864	4,838	-0.3	+0.5	+0.4	4,819	4,870	4,761	4,722	+2.1
lousehold appliances	2,684	2,727	2,746	-1.6	-0.7	-0.7	2,799	2,869	2,742	2,770	+1.0
lectric lighting and wiring equipment	3,343	3,347	3,335	-0.1	+0.4	+0.5	3,336	3,356	3,267	3,360	-0.7
lousehold audio and /ideo equipment	1,472	1,532	1,569	-3.9	-2.4	+0.3	1,410	1,504	1,514	1,559	-9.6
ommunications equipment	11,383	11,346	11,321	+0.3	+0.2	+0.5	11,222	11,394	11,267	10,432	+7.6
lectronic components	13,476	13,538	13,544	-0.5	0.0	-2.2	13,247	13,471	13,509	13,858	-4.4
nsportation equipment	70,919	70,785	69,935	+0.2	+1.2	+2.6	71,152	71,644	69,633	65,688	+8.3
lotor vehicles and parts	15,937	15,899	15,694	+0.2	+1.3	+0.4	16,066	16,100	15,764	15,950	+0.7
ircraft, missiles, space vehicles, and parts	50,093	49,929	49,231	+0.3	+1.4	+3.4	50,110	50,461	48,853	44,629	+12.3
hipbuilding and tanks	1,900	1,895	1,904	+0.3	-0.5	-0.1	1,930	1,927	1,897	1,875	+2.9
ruments and related products	25,246	25,214	25,256	+0.1	-0.2	+0.9	24,998	25,093	24,728	24,234	+3.2
earch and navigation equipment	6,841	6,838	6,869	0.0	-0.5	+2.0	6,725	6,827	6,717	6,260	+7.4
leasuring and controlling devices	8,102	8,080	8,128	+0.3	-0.6	+0.1	8,094	8,064	8,020	7,884	+2.7
ledical instruments and supplies	7,612	7,598	7,589	+0.2	+0.1	+1.4	7,505	7,571	7,470	7,096	+5.8
hotographic goods	2,041	2,047	2,022	-0.3	+1.2	-1.4	2,025	1,984	1,884	2,370	-14.6
other durable goods	25,702	25,632	25,624	+0.3	0.0	-0.1	25,747	26,092	25,939	25,265	+1.9
durable goods industries	162,582	162,224	161,629	+0.2	+0.4	+0.1	162,983	163,004	161,268	161,959	+0.6
/ith unfilled orders	39,376	39,349	39,147	+0.1	+0.5	-0.4	39,414	39,256	38,481	41,293	-4.6
d and kindred products	33,556	33,386	33,095	+0.5	+0.9	-0.6	33,306	33,527	33,475	32,817	+1.5
leat products	4,004	3,975	3,968	+0.7	+0.2	-1.9	4,084	4,040	3,908	4,134	-1.2
airy products	2,998	2,928	2,769	+2.4	+5.7	-4.8	2,932	2,837	2,705	2,499	+17.3
everages	6,274	6,283	6,272	-0.1	+0.2	+0.9	6,324	6,286	6,235	6,319	+0.1
ll other foods, except fats and oils	18,014	17,947	17,854	+0.4	+0.5	-0.9	17,582	17,942	18,210	17,724	-0.8
acco products	5,954	5,970	6,027	-0.3	-0.9	-0.1	6,043	6,454	6,534	5,723	+5.6
tile mill products	10,104	10,061	10,101	+0.4	-0.4	+0.3	10,166	10,198	10,091	10,210	-0.4
roadwoven fabrics and other textiles	5,979	5,987	6,039	-0.1	-0.9	+0.4	5,997	6,088	6,066	6,079	-1.3
er and allied products	16,305	16,226	16,389	+0.5	-1.0	-0.5	16,496	16,383	16,375	17,727	-6.9
ulp, paper, and paperboard mill products	6,630	6,696	6,728	-1.0	-0.5	-0.5	6,743	6,839	6,765	7,503	-10.1
aperboard containers and boxes	4,108	4,005	4,035	+2.6	-0.7	-0.2	4,153	4,056	4,041	4,426	-6.2
liscellaneous converted paper products	5,567	5,525	5,626	+0.8	-1.8	-0.8	5,600	5,488	5,569	5,798	-3.4
micals and allied products	40,245	40,134	39,869	+0.3	+0.7	+0.1	40,622	40,554	39,755	39,365	+3.2
ndustrial chemicals	19,514	19,360	19,309	+0.8	+0.3	+0.1	19,573	19,611	19,558	18,873	+3.7
rugs, soaps, and toiletries	15,624	15,662	15,455	-0.2	+1.3	-0.2	15,530	15,465	14,885	15,200	+2.2
oleum and coal products	13,098	13,068	13,224	+0.2	-1.2	+2.4	12,938	12,731	12,878	12,216	+5.9
ber and plastics products	15,870	15,847	15,796	+0.1	+0.3	+0.8	16,266	16,243	15,934	15,608	+4.2
other nondurable goods	27,450	27,532	27,128	-0.3	+1.5	-0.3	27,146	26,914	26,226	28,293	-4.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	321,149	321,419	318,498	-0.1	+0.9	+1.0	336,581	319,329	288,346	315,096	+6.8	944,256	884,405
Market categories :													
Automotive equipment	13,745	13,961	14,226	-1.5	-1.9	+6.4	14,700	15,332	13,439	13,398	+9.7	43,471	40,417
Home goods and apparel	18,992	19,326	18,976	-1.7	+1.8	-0.7	19,815	19,061	15,900	19,221	+3.1	54,776	51,491
Consumer staples	67,138	67,413	68,476	-0.4	-1.6	+1.7	67,245	64,873	64,005	64,441	+4.4	196,123	184,421
Machinery and equipment	58,766	57,146	55,960	+2.8	+2.1	-1.4	66,038	56,677	47,352	59,891	+10.3	170,067	157,335
Business supplies	25,195	25,493	25,348	-1.2	+0.6	+0.6	25,397	25,126	23,271	24,098	+5.4	73,794	69,409
Construction materials and supplies	19,916	20,093	19,815	-0.9	+1.4	+2.3	19,943	19,206	17,384	18,469	+8.0	56,533	52,047
Defense products	6,574	6,779	6,371	-3.0	+6.4	-2.3	6,970	6,863	5,318	6,844	+1.8	19,151	18,362
Other materials, supplies and and intermediate products	110,823	111,208	109,326	-0.3	+1.7	+1.6	116,473	112,191	101,677	108,734	+7.1	330,341	310,923
Durable goods industries :													
Nondefense capital goods [3]	45,673	44,148	43,121	+3.5	+2.4	-3.3	52,595	42,494	35,021	48,208	+9.1	130,110	121,141
Excluding aircraft and parts	39,194	38,344	37,262	+2.2	+2.9	-3.4	45,205	36,899	30,578	42,767	+5.7	112,682	107,832
Defense capital goods [4]	6,195	6,433	6,061	-3.7	+6.1	-1.2	6,573	6,459	4,950	6,536	+0.6	17,982	17,282
Durables excluding capital goods	122,994	123,160	121,131	-0.1	+1.7	+2.7	129,345	125,556	111,276	117,884	+9.7	366,177	338,035
Miscellaneous series :													
Producers' durable equipment	111,356	110,592	108,761	+0.7	+1.7	+1.0	122,562	112,307	96,062	112,180	+9.3	330,931	307,296
Household durable goods	9,682	9,657	9,246	+0.3	+4.4	-2.2	10,500	9,254	7,755	9,783	+7.3	27,509	25,253
Information technology industries	22,351	21,944	21,020	+1.9	+4.4	-3.1	26,357	20,065	16,697	24,339	+8.3	63,119	59,113
Health care equipment and products	10,719	10,729	10,856	-0.1	-1.2	+1.7	11,245	10,412	10,327	10,526	+6.8	31,984	29,403
NEW ORDERS													
All manufacturing industries	319,206	324,369	323,210	-1.6	+0.4	+2.5	335,260	324,898	299,579	321,970	+4.1	959,737	908,795
Market categories :													
Automotive equipment	13,781	13,985	14,269	-1.5	-2.0	+6.7	14,724	15,368	13,580	13,351	+10.3	43,672	40,476
Home goods and apparel	18,743	19,164	18,273	-2.2	+4.9	-3.8	19,801	19,258	16,327	19,694	+0.5	55,386	53,408
Consumer staples	67,338	67,161	68,529	+0.3	-2.0	+1.7	67,378	64,539	64,052	64,348	+4.7	195,969	184,298
Machinery and equipment	58,064	59,874	58,775	-3.0	+1.9	+4.8	64,402	60,080	51,515	63,488	+1.4	175,997	171,595
Business supplies	25,422	25,307	25,295	+0.5	0.0	+0.2	25,685	24,889	23,297	24,023	+6.9	73,871	69,295
Construction materials and supplies	19,830	19,957	20,010	-0.6	-0.3	+1.0	19,903	19,336	17,762	18,487	+7.7	57,001	52,665
Defense products	5,068	5,787	6,439	-12.4	-10.1	-22.5	7,921	5,922	5,416	11,976	-33.9	19,259	24,250
Other materials, supplies and and intermediate products	110,960	113,134	111,620	-1.9	+1.4	+5.1	115,446	115,506	107,630	106,603	+8.3	338,582	312,808
Durable goods industries :													
Nondefense capital goods [3]	45,015	46,911	45,819	-4.0	+2.4	+4.4	50,854	45,630	39,015	51,873	-2.0	135,499	135,435
Excluding aircraft and parts	39,820	40,609	37,870	-1.9	+7.2	+3.1	44,748	39,537	32,482	41,905	+6.8	116,767	111,132
Defense capital goods [4]	4,759	5,512	6,201	-13.7	-11.1	-23.0	7,641	5,635	5,299	11,671	-34.5	18,575	23,410
Durables excluding capital goods	122,651	124,652	123,350	-1.6	+1.1	+5.5	127,601	129,037	118,073	115,977	+10.0	374,711	341,266
Miscellaneous series :													
Producers' durable equipment	110,910	113,643	111,522	-2.4	+1.9	+3.3	120,669	116,225	101,719	114,676	+5.2	338,613	321,635
Household durable goods	9,560	9,767	8,885	-2.1	+9.9	-7.1	10,375	9,455	8,154	9,909	+4.7	27,984	26,184
Information technology industries	22,371	23,464	21,582	-4.7	+8.7	+5.1	26,039	21,844	17,063	24,162	+7.8	64,946	59,907
Health care equipment and products	10,620	10,702	11,262	-0.8	-5.0	+8.1	10,735	10,461	10,928	10,130	+6.0	32,124	29,286

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96
UNFILLED ORDERS											
All manufacturing industries	520,117	522,060	519,110	-0.4	+0.6	+0.9	524,244	525,565	519,996	498,865	+5.1
larket categories :											
Automotive equipment	2,025	1,989	1,966	+1.8	+1.2	+2.2	2,075	2,052	2,016	1,977	+5.0
Home goods and apparel	8,181	8,430	8,592	-3.0	-1.9	-7.6	8,230	8,244	8,047	9,527	-13.6
Consumer staples	2,084	1,884	2,137	+10.6	-11.8	+2.6	1,945	1,812	2,146	1,702	+14.3
Machinery and equipment	234,607	235,309	232,580	-0.3	+1.2	+1.2	234,721	236,357	232,954	223,120	+5.2
Business supplies	6,623	6,396	6,583	+3.5	-2.8	-0.8	6,565	6,277	6,514	6,121	+7.3
Construction materials and supplies	16,203	16,289	16,425	-0.5	-0.8	+1.2	16,387	16,428	16,298	15,895	+3.1
Defense products	102,965	104,471	105,464	-1.4	-0.9	+0.1	105,753	104,802	105,743	104,259	+1.4
Other materials, supplies and and intermediate products	147,429	147,292	145,363	+0.1	+1.3	+1.6	148,568	149,593	146,278	136,264	+9.0
urable goods industries :											
Nondefense capital goods [3]	255,414	256,072	253,309	-0.3	+1.1	+1.1	255,487	257,228	254,092	241,468	+5.8
Excluding aircraft and parts	99,356	98,730	96,465	+0.6	+2.3	+0.6	99,429	99,886	97,248	98,624	+0.8
Defense capital goods [4]	108,081	109,517	110,438	-1.3	-0.8	+0.1	110,931	109,863	110,687	109,239	+1.5
Durables excluding capital goods	131,373	131,716	130,224	-0.3	+1.1	+1.7	132,513	134,257	130,776	124,661	+6.3
liscellaneous series :											
Producers' durable equipment	268,016	268,462	265,411	-0.2	+1.1	+1.1	268,149	270,042	266,124	256,683	+4.5
Household durable goods	5,313	5,435	5,325	-2.2	+2.1	-6.3	5,284	5,409	5,208	5,905	-10.5
Information technology industries	39,100	39,080	37,560	+0.1	+4.0	+1.5	38,563	38,881	37,102	39,037	-1.2
Health care equipment and products	7,924	8,023	8,050	-1.2	-0.3	+5.3	7,781	8,292	8,242	7,410	+5.0
TOTAL INVENTORIES											
All manufacturing industries	442,729	441,908	440,019	+0.2	+0.4	+0.5	442,647	445,350	438,592	434,776	+1.8
larket categories :											
Automotive equipment	8,017	7,995	7,935	+0.3	+0.8	+0.6	8,161	8,175	7,933	8,118	+0.5
Home goods and apparel	32,104	32,101	32,143	0.0	-0.1	+0.1	32,007	32,101	31,852	32,143	-0.4
Consumer staples	65,605	65,464	64,945	+0.2	+0.8	-0.2	65,205	65,531	64,803	64,076	+1.8
Machinery and equipment	114,932	114,575	113,301	+0.3	+1.1	+1.5	114,411	116,340	112,709	107,800	+6.1
Business supplies	26,302	26,211	26,094	+0.3	+0.4	+0.1	26,350	26,091	25,597	26,214	+0.5
Construction materials and supplies	26,295	26,275	26,223	+0.1	+0.2	+0.1	26,649	26,671	26,245	26,404	+0.9
Defense products	18,212	18,505	18,922	-1.6	-2.2	+2.9	18,078	18,323	18,555	19,167	-5.7
Other materials, supplies and and intermediate products	151,262	150,782	150,456	+0.3	+0.2	-0.1	151,786	152,118	150,898	150,854	+0.6
urable goods industries :											
Nondefense capital goods [3]	108,993	108,672	107,415	+0.3	+1.2	+1.3	108,152	110,137	106,774	101,527	+6.5
Excluding aircraft and parts	70,463	70,587	70,442	-0.2	+0.2	+0.4	69,499	71,294	69,816	70,101	-0.9
Defense capital goods [4]	18,350	18,659	19,094	-1.7	-2.3	+2.9	18,187	18,447	18,640	19,387	-6.2
Durables excluding capital goods	152,804	152,353	151,881	+0.3	+0.3	0.0	153,325	153,762	151,910	151,903	+0.9
liscellaneous series :											
Producers' durable equipment	182,185	181,579	180,232	+0.3	+0.7	+1.1	181,751	183,843	179,451	174,551	+4.1
Household durable goods	15,541	15,563	15,648	-0.1	-0.5	+0.1	15,518	15,775	15,605	15,154	+2.4
Information technology industries	35,550	35,565	35,453	0.0	+0.3	+0.3	34,669	35,938	35,075	35,719	-2.9
Health care equipment and products	16,106	16,111	15,992	0.0	+0.7	+0.6	15,951	15,982	15,570	15,361	+3.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Mar. 1996	Mar. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	143,853	143,127	142,561	+0.5	+0.4	+0.2	143,102	143,640	143,513	144,640	-1.1
Durable goods industries	83,014	82,365	82,274	+0.8	+0.1	+0.2	81,947	82,597	82,983	83,027	-1.3
Stone, clay, and glass products	2,817	2,830	2,817	-0.5	+0.5	+0.6	2,795	2,838	2,816	2,765	+1.1
Primary metals	7,942	7,912	7,829	+0.4	+1.1	+0.4	7,712	7,889	7,957	7,313	+5.5
Fabricated metal products	9,945	9,839	9,831	+1.1	+0.1	+0.8	9,906	9,846	9,949	9,657	+2.6
Industrial machinery and equipment	17,004	16,751	16,631	+1.5	+0.7	-0.2	16,565	16,866	16,608	17,568	-5.7
Electronic and other electrical equipment	14,166	13,955	13,996	+1.5	-0.3	-2.1	14,055	13,829	13,980	14,734	-4.6
Transportation equipment	12,760	12,758	12,871	0.0	-0.9	+2.8	12,796	12,870	12,983	12,871	-0.6
Instruments and related products	7,992	7,929	7,893	+0.8	+0.5	+0.6	7,942	7,876	7,921	7,598	+4.5
Lumber, furniture and miscellaneous durable goods	10,388	10,391	10,406	0.0	-0.1	-0.1	10,176	10,583	10,769	10,521	-3.3
Nondurable goods industries	60,839	60,762	60,287	+0.1	+0.8	+0.2	61,155	61,043	60,530	61,613	-0.7
Food and kindred products	11,525	11,608	11,486	-0.7	+1.1	-0.1	11,652	11,788	11,774	11,766	-1.0
Tobacco products	4,854	4,831	4,835	+0.5	-0.1	+1.2	5,039	5,146	5,168	4,841	+4.1
Textile mill products	3,211	3,162	3,117	+1.5	+1.4	+1.6	3,234	3,217	3,124	2,954	+9.5
Paper and allied products	7,726	7,731	7,780	-0.1	-0.6	+0.2	7,766	7,770	7,743	8,344	-6.9
Chemicals and allied products	13,450	13,331	13,148	+0.9	+1.4	+0.5	13,420	13,285	13,078	12,834	+4.6
Petroleum and coal products	4,458	4,458	4,502	0.0	-1.0	+3.6	4,454	4,301	4,348	4,237	+5.1
Rubber and plastics products	5,901	5,927	5,984	-0.4	-1.0	+1.0	5,928	5,967	6,017	5,794	+2.3
Apparel, printing and publishing and leather goods	9,714	9,714	9,435	0.0	+3.0	-2.6	9,662	9,569	9,278	10,843	-10.9
WORK IN PROCESS											
All manufacturing industries	148,970	148,417	147,582	+0.4	+0.6	+0.6	148,698	149,040	146,387	142,281	+4.5
Durable goods industries	122,433	121,911	121,301	+0.4	+0.5	+0.7	122,338	122,667	120,148	116,575	+4.9
Stone, clay, and glass products	1,272	1,281	1,265	-0.7	+1.3	+0.3	1,351	1,342	1,233	1,321	+2.3
Primary metals	9,008	8,981	8,971	+0.3	+0.1	-1.6	9,079	8,955	8,884	9,114	-0.4
Fabricated metal products	7,331	7,329	7,241	0.0	+1.2	+1.3	7,346	7,305	7,175	7,470	-1.7
Industrial machinery and equipment	23,815	23,580	23,740	+1.0	-0.7	-0.8	23,629	23,812	23,469	23,689	-0.3
Electronic and other electrical equipment	15,160	15,165	15,120	0.0	+0.3	-1.4	15,178	15,225	14,966	14,902	+1.9
Transportation equipment	50,150	49,812	49,089	+0.7	+1.5	+2.4	50,140	50,248	48,877	44,705	+12.2
Instruments and related products	11,177	11,258	11,381	-0.7	-1.1	+1.0	11,072	11,261	11,079	10,767	+2.8
Lumber, furniture and miscellaneous durable goods	4,520	4,505	4,494	+0.3	+0.2	+0.5	4,543	4,519	4,465	4,607	-1.4
Nondurable goods industries	26,537	26,506	26,281	+0.1	+0.9	+0.3	26,360	26,373	26,239	25,706	+2.5
Food and kindred products	4,566	4,634	4,573	-1.5	+1.3	+0.7	4,506	4,636	4,784	4,423	+1.9
Tobacco products	304	290	248	+4.8	+16.9	-40.7	259	275	274	223	+16.1
Textile mill products	2,655	2,663	2,653	-0.3	+0.4	-1.5	2,664	2,667	2,659	2,834	-6.0
Paper and allied products	1,769	1,772	1,779	-0.2	-0.4	-0.9	1,776	1,769	1,787	1,780	-0.2
Chemicals and allied products	7,023	6,894	6,829	+1.9	+1.0	+0.8	7,000	6,891	6,772	6,705	+4.4
Petroleum and coal products	2,679	2,695	2,728	-0.6	-1.2	+3.8	2,666	2,630	2,681	2,514	+6.0
Rubber and plastics products	2,142	2,106	2,051	+1.7	+2.7	+0.4	2,145	2,158	2,089	2,071	+3.6
Apparel, printing and publishing and leather goods	5,399	5,452	5,420	-1.0	+0.6	+2.2	5,344	5,347	5,193	5,156	+3.6
FINISHED GOODS											
All manufacturing industries	149,906	150,364	149,876	-0.3	+0.3	+0.6	150,847	152,670	148,692	147,855	+2.0
Durable goods industries	74,700	75,408	74,815	-0.9	+0.8	+1.3	75,379	77,082	74,193	73,215	+3.0
Stone, clay, and glass products	4,419	4,415	4,429	+0.1	-0.3	+1.4	4,554	4,542	4,436	4,512	+0.9
Primary metals	7,305	7,149	7,152	+2.2	0.0	-1.3	7,407	7,257	7,161	7,367	+0.5
Fabricated metal products	9,526	9,381	9,299	+1.5	+0.9	0.0	9,831	9,556	9,159	9,270	+6.1
Industrial machinery and equipment	17,155	17,708	17,472	-3.1	+1.4	+2.6	17,227	18,361	17,675	17,271	-0.3
Electronic and other electrical equipment	11,415	11,777	11,782	-3.1	0.0	+2.2	11,132	11,894	11,556	10,677	+4.3
Transportation equipment	8,009	8,215	7,975	-2.5	+3.0	+3.4	8,216	8,526	7,773	8,112	+1.3
Instruments and related products	6,077	6,027	5,982	+0.8	+0.8	+1.1	5,984	5,956	5,728	5,869	+2.0
Lumber, furniture and miscellaneous durable goods	10,794	10,736	10,724	+0.5	+0.1	-0.3	11,028	10,990	10,705	10,137	+8.8
Nondurable goods industries	75,206	74,956	75,061	+0.3	-0.1	-0.1	75,468	75,588	74,499	74,640	+1.1
Food and kindred products	17,465	17,144	17,036	+1.9	+0.6	-1.2	17,148	17,103	16,917	16,628	+3.1
Tobacco products	796	849	944	-6.2	-10.1	+12.5	745	1,033	1,092	659	+13.1
Textile mill products	4,238	4,236	4,331	0.0	-2.2	+0.6	4,268	4,314	4,308	4,422	-3.5
Paper and allied products	6,810	6,723	6,830	+1.3	-1.6	-1.3	6,954	6,844	6,845	7,603	-8.5
Chemicals and allied products	19,772	19,909	19,892	-0.7	+0.1	-0.4	20,202	20,378	19,905	19,826	+1.9
Petroleum and coal products	5,961	5,915	5,994	+0.8	-1.3	+1.0	5,818	5,800	5,849	5,465	+6.5
Rubber and plastics products	7,827	7,814	7,761	+0.2	+0.7	+0.8	8,193	8,118	7,828	7,743	+5.8
Apparel, printing and publishing and leather goods	12,337	12,366	12,273	-0.2	+0.8	+0.3	12,140	11,998	11,755	12,294	-1.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Dec. 1996	Mar. 1997[p]	Feb. 1997[r]	Jan. 1997	Dec. 1996
All manufacturing industries	1.38	1.37	1.38	1.39	2.90	2.92	2.98	2.95
urable goods industries	1.60	1.61	1.63	1.64	3.45	3.50	3.57	3.54
Stone, clay, and glass products	1.15	1.14	1.18	1.23	0.95	0.93	0.99	1.04
Primary metals	1.55	1.53	1.54	1.59	1.98	1.96	1.97	2.00
Fabricated metal products	1.50	1.47	1.48	1.49	1.45	1.43	1.44	1.44
Industrial machinery and equipment	1.76	1.80	1.80	1.77	2.37	2.41	2.40	2.34
Electronic and other electrical equipment	1.38	1.43	1.52	1.48	1.76	1.83	1.87	1.76
Transportation equipment	1.78	1.77	1.75	1.78	12.26	12.47	12.78	12.89
Instruments and related products	1.93	1.91	1.99	1.97	3.71	3.66	3.76	3.71
ondurable goods industries	1.11	1.10	1.09	1.10	0.70	0.68	0.70	0.70
Food and kindred products	0.85	0.85	0.84	0.86	(X)	(X)	(X)	(X)
Tobacco products	1.98	2.05	1.96	2.08	(X)	(X)	(X)	(X)
Textile mill products	1.50	1.49	1.51	1.52	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.22	1.23	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.25	1.23	1.23	1.24	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.81	0.80	0.78	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.30	1.31	1.33	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1997	Mar.[2] 1992-1996	Mar. 1996-Feb. 1997	Mar.[1] 1997	Mar.[2] 1992-1996	Mar. 1996-Feb. 1997	Mar.[1] 1997	Mar.[2] 1992-1996	Mar. 1996-Feb. 1997	Mar.[1] 1997	Mar.[2] 1992-1996	Mar. 1996-Feb. 1997
All manufacturing industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.0	0.0
urable goods industries	-0.1	0.2	0.2	0.4	0.3	0.3	0.2	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.6	(X)	1.1	0.7	(X)	0.4	0.6	(X)	0.1	0.1
Primary metals	0.6	0.4	0.4	0.9	0.6	0.8	0.1	0.3	0.4	(X)	0.1	0.0
Fabricated metal products	(X)	0.3	0.3	(X)	0.4	0.6	(X)	0.3	0.3	(X)	0.2	0.1
Industrial machinery and equipment	-0.3	0.3	0.4	0.2	0.4	0.4	0.2	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.2	0.5	1.0	0.6	0.8	0.7	0.2	0.4	(X)	0.2	0.2
Transportation equipment	-0.7	0.5	0.4	-0.3	1.1	1.0	0.0	0.1	0.2	(X)	0.0	0.1
Instruments and related products	(X)	0.2	0.4	(X)	0.5	1.0	(X)	0.1	0.2	(X)	0.0	0.2
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
apital goods industries :												
Nondefense	-0.8	0.2	0.3	0.4	0.5	0.5	0.2	0.1	0.1	(X)	0.1	0.1
Defense	-0.3	0.3	0.6	3.1	1.9	4.7	0.3	0.1	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

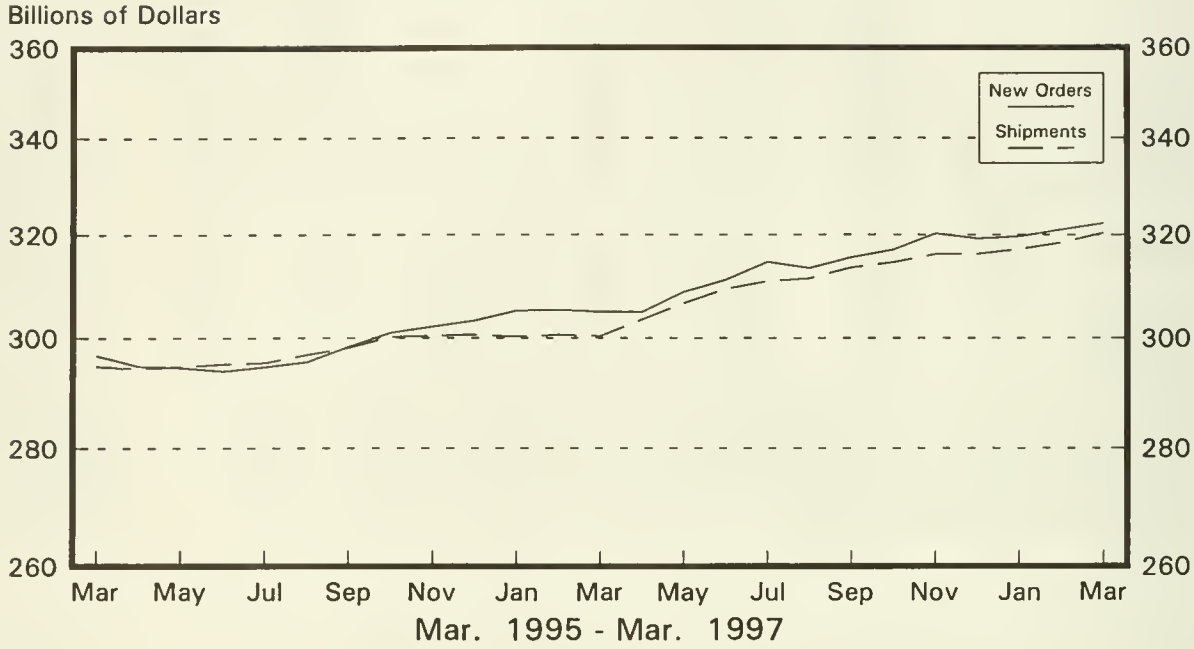
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

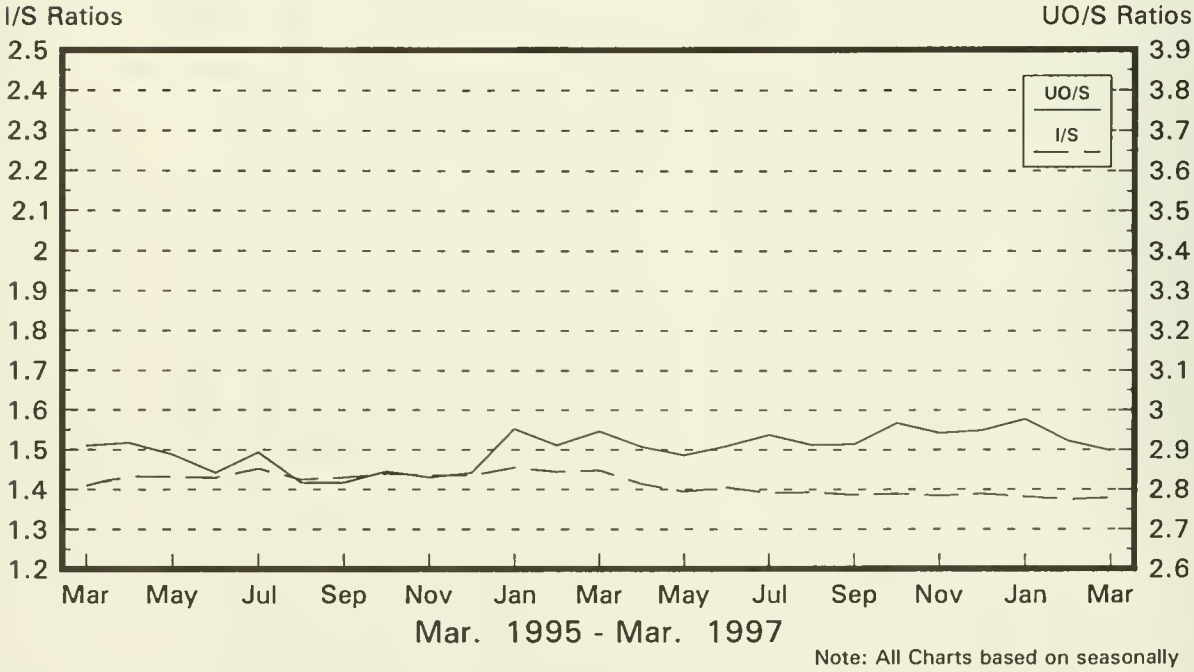
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

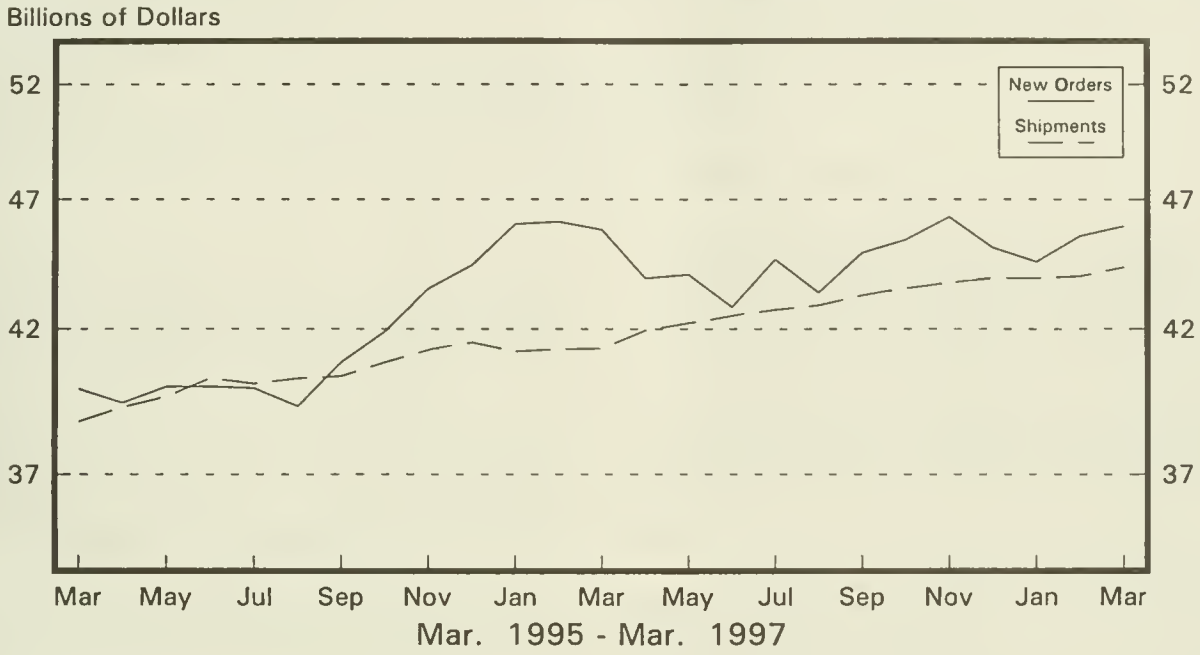
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

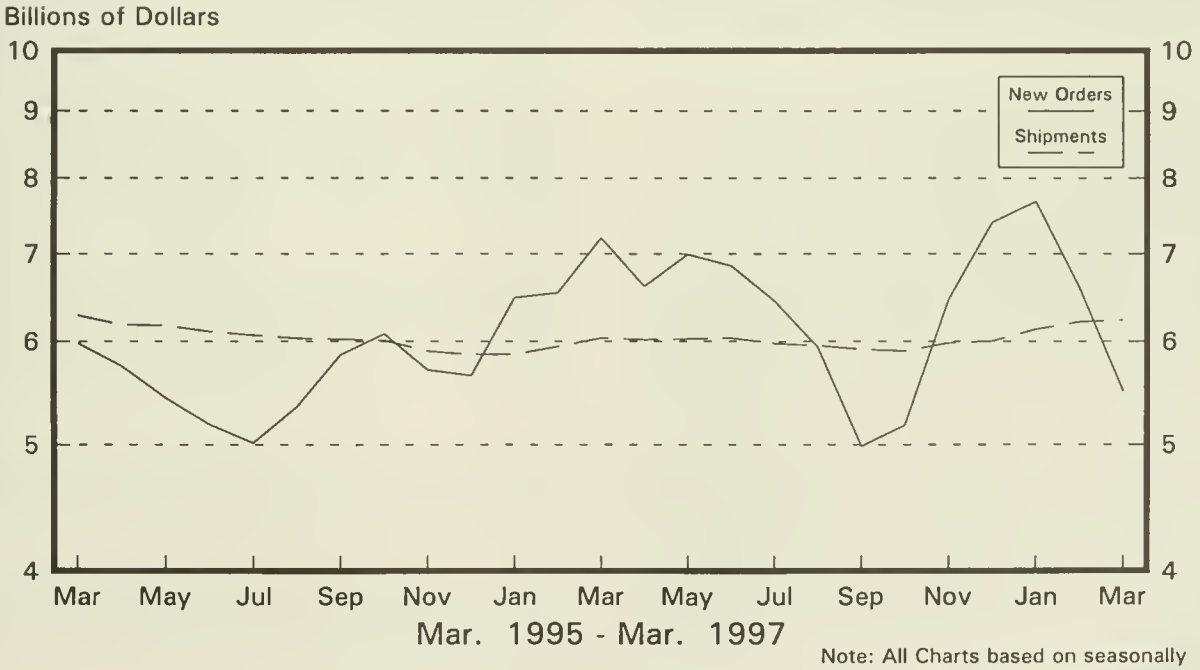
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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M3-1-(97)-04
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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in April increased $3.8 billion or 1.2 percent to $323.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.3 percent March decrease and is the third increase in the last four months. Excluding transportation, new orders increased 0.9 percent, following a 1.0 percent March decrease. Year to date, new orders are 5.7 percent above the same period a year ago.

Shipments, up for the fourth consecutive month, increased $3.8 billion or 1.2 percent to $325.6 billion, following a 0.1 percent March increase. Year to date, shipments are 6.5 percent above the same period a year ago.

Unfilled orders, down for the second consecutive month, decreased $1.8 billion or 0.3 percent to $518.6 billion, following a 0.3 percent March decrease. The unfilled orders-to-shipments ratio was 2.86, down from 2.89 in March.

Inventories, up nine of the last ten months, increased $2.9 billion or 0.6 percent to $445.7 billion, following a 0.2 percent March increase. The inventories-to-shipments ratio was 1.37, down from 1.38 in March.

New Orders

New orders for manufactured durable goods in April increased $2.3 billion or 1.3 percent to $175.5 billion, revised from the previously published 1.4 percent increase. This follows a 2.2 percent March decrease and is the third increase in the last four months.

Transportation equipment, up for the first month since January, had the largest increase, $1.3 billion or 3.4 percent to $39.0 billion; all component industries except railroad equipment increased. This follows a 3.9 percent March decrease. Industrial machinery and equipment, up for the fifth consecutive month, increased $0.9 billion or 2.7 percent to $34.1 billion. This follows a 0.2 percent March increase. Fabricated metal products, up three of the last four months, increased $0.7 billion or 3.8 percent to $18.8 billion, following a 1.3 percent March decrease. Primary metals, up five of the last six months, increased $0.5 billion or 2.9 percent to $16.5 billion, following a 1.3 percent March increase. Electronic and other electrical equipment, down for the second consecutive month, decreased $1.6 billion or 5.7 percent to $27.1 billion, due to electronic components and communication equipment. This follows a 6.1 percent March decrease.

New orders for nondurable goods, up for the first month since January, increased $1.5 billion or 1.0 percent to $148.4 billion, following a 0.3 percent March decrease. Chemicals and allied products, apparel and related products, and paper and allied products had the largest increases; printing and publishing had the largest decrease.

Snipments

Shipments of durable goods in April, up for the fourth consecutive month, increased $2.1 billion or 1.2 percent to $177.5 billion, revised from the previously published 1.1 percent increase. This follows a 1.0 percent March increase.

Transportation equipment, up for the fourth consecutive month, had the largest increase, $1.2 billion or 3.0 percent to $41.2 billion, with all component industries except railroad equipment increasing. This follows a 0.4 percent March increase. Industrial machinery and equipment, up four of the last five months, increased $0.5 billion or 1.6 percent to $33.5 billion, following a 2.0 percent March increase. Fabricated metal products, up three of the last four months, increased $0.5 billion or 2.7 percent to $18.5 billion, following a 0.7 percent March decrease. Primary metals, up six of the last seven months, increased $0.3 billion or 1.8 percent to $16.0 billion, following a slight March decrease. Electronic and other electrical equipment, down for the first month since January, decreased $1.1 billion or 3.6 percent to $28.5 billion, following a 3.3 percent March increase.

Shipments of nondurable goods, up for the first month since January, increased $1.8 billion or 1.2 percent to $148.2 billion. This follows a 0.9 percent March decrease. Chemicals and allied products had the largest increase, $0.7 billion or 2.3 percent to $33.0 billion. This follows a 1.0 percent March decrease and is the fourth increase in the last five months.

Unfilled Orders

Unfilled orders for durable goods in April decreased $1.9 billion or 0.4 percent to $493.2 billion, unrevised from the previously published 0.4 percent decrease. This follows a 0.4 percent March decrease and is the second decline since August 1996.

Transportation equipment had the largest decline, $2.3 billion or 0.9 percent to $249.8 billion, mostly due to aircraft and parts. This follows a 0.9 percent March decrease and is the third consecutive monthly decline. Electronic and other electrical equipment, down for the second consecutive month, decreased $1.4 billion or 2.6 percent to $50.2 billion, following a 1.5 percent March decrease. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.6 billion or 0.8 percent to $74.2 billion, following a 0.4 percent March increase. Primary metals, also up for the fourth consecutive month, increased $0.5 billion or 1.7 percent to $31.6 billion, following a 1.1 percent March increase. Fabricated metal products, up for the fifteenth consecutive month, increased $0.3 billion or 1.4 percent to $24.6 billion, following a 0.6 percent March increase.

Inventories

Inventories of durable goods in April, up nine of the last ten months, increased $2.8 billion or 1.0 percent to $283.2 billion. This follows a 0.3 percent March increase. Transportation equipment, up eleven of the last twelve months, increased $1.4 billion or 1.9 percent to $72.5 billion. This follows a 0.5 percent March increase. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.7 billion or 1.3 percent to $58.8 billion. This follows a 0.1 percent March increase. Electronic and other electrical equipment, up for the first month since November, increased $0.5 billion or 1.1 percent to $41.3 billion, following a 0.2 percent March decline. Fabricated metal products, up for the seventh consecutive month, increased $0.1 billion or 0.5 percent to $27.0 billion, following a 1.0 percent March increase. Primary metals, down for the first month since January, decreased $0.2 billion or 0.7 percent to $24.0 billion, following a 0.7 percent March increase.

Inventories of nondurable goods, up for the ninth consecutive month, increased $0.1 billion or 0.1 percent to $162.4 billion, following a 0.1 percent March increase. Chemicals and allied products had the largest increase; petroleum and coal products had the largest decline.

By stage of fabrication, April finished goods increased 1.9 percent in durables and decreased slightly in nondurables. Work in progress increased 1.0 percent in durables and 0.7 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.1 percent in nondurables.

(See Back Page for Upcoming Revisions)
Our internet address is http://www.census.gov/ftp/pub/indicator/www/m3prel.html

The advance report on durable goods for May is scheduled for June 25, 1997 at 8:30 a.m. and the full report on July 2, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96	1997[p]	199
All manufacturing industries	325,633	321,787	321,419	+1.2	+0.1	+0.9	323,728	336,609	319,329	305,245	+6.1	1,268,012	1,189,65
Manufacturing Industries													
with unfilled orders	181,383	180,049	178,645	+0.7	+0.8	+2.4	177,351	191,270	176,676	165,004	+7.5	699,935	656,17
without defense capital goods	319,249	315,560	314,986	+1.2	+0.2	+0.8	317,752	330,047	312,870	299,763	+6.0	1,244,065	1,166,88
Durable goods industries	177,457	175,397	173,741	+1.2	+1.0	+2.0	176,441	188,591	174,509	162,910	+8.3	690,788	639,36
With unfilled orders	145,136	143,966	142,249	+0.8	+1.2	+2.9	141,845	155,126	140,892	129,665	+9.4	559,383	517,01
Stone, clay, and glass products	7,524	7,417	7,475	+1.4	-0.8	+3.6	7,710	7,181	6,882	6,911	+11.6	27,976	25,11
Primary metals	15,964	15,677	15,680	+1.8	0.0	+0.8	16,472	16,256	16,131	15,382	+7.1	63,676	59,98
Blast furnaces, steel mills	6,441	6,361	6,369	+1.3	-0.1	-0.6	6,608	6,547	6,616	6,299	+4.9	25,999	24,76
Iron and steel foundries	1,483	1,418	1,436	+4.6	-1.3	+0.1	1,575	1,439	1,490	1,463	+7.7	5,857	5,40
Nonferrous and other primary metals	8,040	7,898	7,875	+1.8	+0.3	+2.0	8,289	8,270	8,025	7,620	+8.8	31,820	29,81
Fabricated metal products	18,455	17,975	18,096	+2.7	-0.7	+1.6	18,677	18,548	18,220	17,453	+7.0	71,829	67,01
Industrial machinery and equipment	33,477	32,944	32,288	+1.6	+2.0	+0.5	32,270	38,771	31,927	29,714	+8.6	130,126	123,62
Engines and turbines	1,782	1,694	1,633	+5.2	+3.7	-4.3	1,666	1,943	1,629	1,468	+13.5	6,599	6,68
Farm and garden machinery	2,025	1,954	1,845	+3.6	+5.9	-2.1	2,659	2,674	2,213	2,276	+16.8	9,245	8,60
Construction, mining and material handling equipment	3,976	3,858	3,771	+3.1	+2.3	+2.6	4,123	4,275	4,024	3,625	+13.7	15,731	14,37
Metalworking machinery	3,431	3,403	3,301	+0.8	+3.1	+0.9	3,253	3,675	3,233	2,934	+10.9	12,752	11,72
Computer and office equipment	8,966	9,177	8,922	-2.3	+2.9	-1.2	6,904	12,089	7,780	6,536	+5.6	33,594	31,72
Electronic and other electrical equipment	28,481	29,546	28,594	-3.6	+3.3	+6.1	26,684	31,596	27,550	24,997	+6.7	109,012	101,17
Electrical transmission and distribution equipment and industrial apparatus	3,309	3,147	3,171	+5.1	-0.8	0.0	3,290	3,388	3,236	3,101	+6.1	12,694	12,09
Household appliances	2,055	2,098	2,098	-2.0	0.0	+3.9	2,049	2,318	1,988	2,029	+1.0	8,016	7,80
Electric lighting and wiring equipment	2,164	2,078	2,090	+4.1	-0.6	+0.9	2,086	2,231	2,183	1,902	+9.7	8,348	7,88
Household audio and video equipment	1,328	1,343	1,336	-1.1	+0.5	+2.4	1,070	1,279	1,213	1,105	-3.2	4,600	4,26
Communications equipment	6,479	6,666	6,486	-2.8	+2.8	+10.7	5,777	7,416	5,857	5,108	+13.1	23,488	21,06
Electronic components	11,070	12,223	11,380	-9.4	+7.4	+9.2	10,483	13,080	11,067	9,906	+5.8	44,199	40,63
Transportation equipment	41,241	40,034	39,894	+3.0	+0.4	+0.1	43,109	43,016	42,808	39,798	+8.3	165,139	150,03
Motor vehicles and parts	28,122	27,206	27,685	+3.4	-1.7	-1.9	30,083	28,950	30,822	29,095	+3.4	116,924	108,38
Aircraft, missiles, space vehicles, and parts.	10,422	10,069	9,340	+3.5	+7.8	+2.1	10,220	11,067	9,095	7,713	+32.5	37,429	30,07
Shipbuilding and tanks	841	802	800	+4.9	+0.3	+8.8	836	827	831	846	-1.2	3,048	3,24
Instruments and related products	13,297	13,209	13,235	+0.7	-0.2	+4.4	12,717	14,124	13,092	11,676	+8.9	51,236	47,94
Search and navigation equipment	2,735	2,650	2,656	+3.2	-0.2	+3.2	2,608	2,857	2,730	2,340	+11.5	10,446	9,76
Measuring and controlling devices	3,980	3,865	4,017	+3.0	-3.8	+10.1	3,821	4,240	3,986	3,454	+10.6	15,365	14,71
Medical instruments and supplies	4,120	4,217	4,176	-2.3	+1.0	+1.8	3,873	4,543	4,142	3,692	+4.9	16,250	15,14
Photographic goods	2,013	2,042	1,944	-1.4	+5.0	+2.2	1,951	2,044	1,817	1,806	+8.0	7,433	6,93
All other durable goods	19,018	18,595	18,479	+2.3	+0.6	+1.9	18,802	19,099	17,899	16,979	+10.7	71,794	64,49
Nondurable goods industries	148,176	146,390	147,678	+1.2	-0.9	-0.3	147,287	148,018	144,820	142,335	+3.5	577,224	550,28
With unfilled orders	36,247	36,083	36,396	+0.5	-0.9	+0.7	35,506	36,144	35,784	35,339	+0.5	140,552	139,16
Food and kindred products	39,831	39,527	39,242	+0.8	+0.7	-0.6	38,778	39,780	38,116	37,328	+3.9	153,097	147,72
Meat products	9,079	9,191	9,092	-1.2	+1.1	+1.7	8,788	9,124	8,810	8,585	+2.4	34,986	34,23
Dairy products	4,934	4,994	4,884	-1.2	+2.3	-2.7	4,796	5,063	4,728	4,537	+5.7	19,424	18,36
Beverages	5,850	5,804	5,751	+0.8	+0.9	+0.9	5,920	5,757	5,153	5,685	+4.1	21,590	20,85
All other foods, except fats and oils	17,804	17,471	17,440	+1.9	+0.2	-1.9	17,110	17,769	17,350	16,549	+3.4	68,752	66,58
Tobacco products	2,939	2,998	2,911	-2.0	+3.0	-5.2	2,810	3,183	2,761	2,637	+6.6	11,710	10,54
Textile mill products	6,803	6,748	6,765	+0.8	-0.3	+1.0	6,509	7,161	6,609	6,076	+7.1	25,988	24,30
Broadwoven fabrics and other textiles	4,112	4,126	4,090	-0.3	+0.9	+1.0	3,980	4,508	4,050	3,764	+5.7	16,085	15,19
Paper and allied products	13,419	13,095	13,287	+2.5	-1.4	-0.2	13,156	13,176	13,347	13,296	-1.1	52,416	54,11
Pulp, paper, and paperboard mill products	5,430	5,350	5,294	+1.5	+1.1	+1.3	5,300	5,362	5,254	5,345	-0.8	20,887	22,00
Paperboard containers and boxes	3,338	3,334	3,401	+0.1	-2.0	-2.0	3,368	3,414	3,433	3,504	-3.9	13,538	14,18
Miscellaneous converted paper products	4,651	4,411	4,592	+5.4	-3.9	-0.5	4,488	4,400	4,660	4,447	+0.9	17,991	17,93
Chemicals and allied products	33,018	32,286	32,610	+2.3	-1.0	+0.3	34,327	33,837	32,299	31,646	+8.5	131,530	121,20
Industrial chemicals	16,336	16,145	16,291	+1.2	-0.9	+2.6	16,810	16,731	16,569	15,590	+7.8	65,234	60,69
Drugs, soaps, and toiletries	12,144	11,837	12,043	+2.6	-1.7	-3.1	11,379	12,194	11,499	10,721	+6.1	47,290	43,71
Petroleum and coal products	15,194	15,448	16,071	-1.6	-3.9	-3.0	15,254	14,483	15,087	15,837	-3.7	60,087	54,74
Rubber and plastics products	12,439	12,100	12,147	+2.8	-0.4	+0.4	12,861	12,576	12,268	12,246	+5.0	48,948	46,87
All other nondurable goods	24,533	24,188	24,645	+1.4	-1.9	+0.8	23,592	23,822	24,333	23,269	+1.4	93,448	90,76

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96	1997[p]	1996
All manufacturing industries	323,874	320,063	324,369	+1.2	-1.3	+0.4	322,888	335,721	324,898	305,815	+5.6	1,283,086	1,214,610
lanufacturing industries													
with unfilled orders	179,624	178,325	181,595	+0.7	-1.8	+1.4	176,511	190,382	182,245	165,574	+6.6	715,009	681,138
without defense capital goods	317,693	315,226	318,857	+0.8	-1.1	+0.6	317,516	328,085	319,263	300,762	+5.6	1,259,144	1,186,147
urable goods industries	175,511	173,223	177,075	+1.3	-2.2	+1.0	175,056	186,648	180,302	162,903	+7.5	704,393	663,014
With unfilled orders	143,190	141,792	145,583	+1.0	-2.6	+1.6	140,460	153,183	146,685	129,658	+8.3	572,988	540,656
one, clay, and glass products	7,589	7,513	7,321	+1.0	+2.6	+1.4	7,815	7,201	6,983	6,910	+13.1	28,370	25,441
imary metals	16,484	16,015	15,817	+2.9	+1.3	-0.5	16,887	17,067	17,009	15,361	+9.9	67,543	62,574
Blast furnaces, steel mills	6,775	6,293	6,254	+7.7	+0.6	-1.3	6,859	6,435	6,958	6,046	+13.4	27,317	25,778
Iron and steel foundries	1,528	1,533	1,489	-0.3	+3.0	-0.5	1,602	1,601	1,679	1,476	+8.5	6,414	5,991
Nonferrous and other primary metals	8,181	8,189	8,074	-0.1	+1.4	+0.2	8,426	9,031	8,372	7,839	+7.5	33,812	30,805
ıbricated metal products	18,799	18,111	18,343	+3.8	-1.3	+1.8	18,992	18,659	18,674	17,431	+9.0	73,087	67,481
dustrial machinery and equipment	34,100	33,211	33,154	+2.7	+0.2	+2.0	32,904	37,825	33,071	29,757	+10.6	132,344	125,057
Engines and turbines	1,652	1,810	2,046	-8.7	-11.5	+21.9	1,267	1,694	1,773	1,241	+2.1	5,945	5,732
Construction, mining and material handling equipment	4,115	3,932	3,760	+4.7	+4.6	-1.2	4,190	4,462	4,100	3,558	+17.8	16,616	15,147
Metalworking machinery	3,649	3,352	3,525	+8.9	-4.9	+1.8	3,471	3,624	3,457	2,848	+21.9	13,333	12,052
Computer and office equipment	8,866	8,989	8,806	-1.4	+2.1	-2.4	7,073	11,588	7,904	6,886	+2.7	33,192	31,475
ectronic and other lectrical equipment	27,123	28,772	30,632	-5.7	-6.1	+7.8	26,110	29,519	30,127	26,202	-0.4	112,518	102,839
Electrical transmission and distribution equipment and industrial apparatus	3,360	3,275	3,272	+2.6	+0.1	+1.7	3,315	3,494	3,415	2,984	+11.1	13,248	12,144
Electric lighting and wiring equipment	2,277	1,989	2,038	+14.5	-2.4	-6.6	2,199	2,142	2,131	1,938	+13.5	8,430	8,105
Communications equipment	6,523	6,990	7,499	-6.7	-6.8	+22.9	5,833	7,751	6,908	5,232	+11.5	25,135	22,445
Electronic components	9,404	10,953	12,294	-14.1	-10.9	+8.6	9,645	10,733	12,407	11,130	-13.3	44,651	40,303
ansportation equipment	38,953	37,673	39,213	+3.4	-3.9	-7.2	40,661	42,907	42,263	38,294	+6.2	165,201	165,665
Aircraft, missiles, space vehicles, and parts	8,545	7,571	9,294	+12.9	-18.5	-19.4	8,271	10,771	9,052	6,878	+20.3	37,910	46,098
Shipbuilding and tanks	743	536	325	+38.6	+64.9	-50.8	756	589	394	442	+71.0	2,296	3,292
truments and related products	13,288	13,311	14,056	-0.2	-5.3	+5.9	12,346	14,189	14,096	11,537	+7.0	52,564	48,218
Search and navigation equipment	2,566	2,799	3,398	-8.3	-17.6	+36.2	2,098	3,257	3,528	2,144	-2.1	10,916	9,782
Measuring and controlling devices	3,918	3,862	3,997	+1.5	-3.4	+2.5	3,759	4,237	3,966	3,486	+7.8	15,532	14,837
Medical instruments and supplies	4,309	4,123	4,149	+4.5	-0.6	-8.0	4,082	4,022	4,190	3,727	+9.5	16,588	15,061
l other durable goods	19,175	18,617	18,539	+3.0	+0.4	+4.3	19,341	19,281	18,079	17,411	+11.1	72,766	65,739
ndurable goods industries	148,363	146,840	147,294	+1.0	-0.3	-0.4	147,832	149,073	144,596	142,912	+3.4	578,693	551,596
With unfilled orders	36,434	36,533	36,012	-0.3	+1.4	+0.6	36,051	37,199	35,560	35,916	+0.4	142,021	140,482

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), lanufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Ap 97/9
All manufacturing industries	518,577	520,336	522,060	-0.3	-0.3	+0.6	523,837	524,677	525,565	499,435	+4.
Manufacturing industries without defense capital goods	410,653	412,209	412,543	-0.4	-0.1	+0.9	413,504	413,740	415,702	390,625	+5.
Durable goods industries	493,185	495,131	497,305	-0.4	-0.4	+0.7	498,020	499,405	501,348	475,361	+4.
Stone, clay, and glass products	6,778	6,713	6,617	+1.0	+1.5	-2.3	6,898	6,793	6,773	7,093	-2.
Primary metals	31,595	31,075	30,737	+1.7	+1.1	+0.4	33,082	32,667	31,856	30,866	+7.
Blast furnaces, steel mills	12,518	12,184	12,252	+2.7	-0.6	-0.9	13,069	12,818	12,930	12,693	+3.
Iron and steel foundries	4,705	4,660	4,545	+1.0	+2.5	+1.2	4,879	4,852	4,690	4,160	+17.
Nonferrous and other primary metals	14,372	14,231	13,940	+1.0	+2.1	+1.4	15,134	14,997	14,236	14,013	+8.
Fabricated metal products	24,601	24,257	24,121	+1.4	+0.6	+1.0	24,641	24,326	24,215	21,792	+13.
Industrial machinery and equipment	74,177	73,554	73,287	+0.8	+0.4	+1.2	74,189	73,555	74,501	71,999	+3.
Engines and turbines	11,677	11,807	11,691	-1.1	+1.0	+3.7	11,159	11,558	11,807	10,480	+6.
Construction, mining and material handling equipment	9,497	9,358	9,284	+1.5	+0.8	-0.1	9,839	9,772	9,585	9,458	+4.
Metalworking machinery	9,094	8,876	8,927	+2.5	-0.6	+2.6	9,094	8,876	8,927	8,798	+3.4
Computer and office equipment	9,960	10,060	10,248	-1.0	-1.8	-1.1	9,721	9,552	10,053	9,531	+2.
Electronic and other electrical equipment	50,189	51,547	52,321	-2.6	-1.5	+4.1	50,707	51,281	53,358	50,645	+0.1
Electrical transmission and distribution equipment and industrial apparatus	6,771	6,720	6,592	+0.8	+1.9	+1.6	6,838	6,813	6,707	6,110	+11.9
Electric lighting and wiring equipment	4,551	4,438	4,527	+2.5	-2.0	-1.1	4,551	4,438	4,527	4,149	+9.7
Communications equipment	14,951	14,907	14,583	+0.3	+2.2	+7.5	14,967	14,911	14,576	15,887	-5.8
Electronic components	19,269	20,935	22,205	-8.0	-5.7	+4.3	19,712	20,550	22,897	20,455	-3.6
Transportation equipment	249,754	252,042	254,403	-0.9	-0.9	-0.3	252,128	254,576	254,685	236,795	+6.5
Aircraft, missiles, space vehicles, and parts	219,404	221,281	223,779	-0.8	-1.1	0.0	221,593	223,542	223,838	207,081	+7.0
Shipbuilding and tanks	17,155	17,253	17,519	-0.6	-1.5	-2.6	17,162	17,242	17,480	17,034	+0.8
Instruments and related products	48,541	48,550	48,448	0.0	+0.2	+1.7	48,702	49,073	49,008	48,427	+0.6
Search and navigation equipment	28,858	29,027	28,878	-0.6	+0.5	+2.6	29,062	29,572	29,172	29,813	-2.5
Measuring and controlling devices	10,295	10,357	10,360	-0.6	0.0	-0.2	10,295	10,357	10,360	10,225	+0.7
Medical instruments and supplies	8,086	7,897	7,991	+2.4	-1.2	-0.3	7,949	7,740	8,261	7,419	+7.1
All other durable goods	7,550	7,393	7,371	+2.1	+0.3	+0.8	7,673	7,134	6,952	7,744	-0.9
Nondurable goods industries	25,392	25,205	24,755	+0.7	+1.8	-1.5	25,817	25,272	24,217	24,074	+7.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96
All manufacturing industries	445,677	442,806	441,908	+0.6	+0.2	+0.4	448,198	442,192	445,350	437,183	+2.5
Manufacturing industries with unfilled orders	300,170	297,586	296,749	+0.9	+0.3	+0.5	302,087	296,115	298,342	293,901	+2.8
Manufacturing industries without defense capital goods	427,216	424,436	423,249	+0.7	+0.3	+0.6	429,765	423,999	426,903	417,920	+2.8
Durable goods industries	283,241	280,473	279,684	+1.0	+0.3	+0.5	284,726	279,527	282,346	274,868	+3.6
With unfilled orders	260,765	258,199	257,400	+1.0	+0.3	+0.5	262,167	256,726	259,086	252,620	+3.8
Stone, clay, and glass products	8,519	8,505	8,526	+0.2	-0.2	+0.2	8,747	8,691	8,722	8,573	+2.0
Primary metals	24,038	24,201	24,042	-0.7	+0.7	+0.4	24,059	24,197	24,101	23,710	+1.5
Blast furnaces, steel mills	12,114	12,187	12,062	-0.6	+1.0	+0.2	11,920	12,028	12,128	11,471	+3.9
Iron and steel foundries	1,505	1,507	1,512	-0.1	-0.3	+0.9	1,553	1,550	1,525	1,482	+4.8
Nonferrous and other primary metals	10,419	10,507	10,468	-0.8	+0.4	+0.5	10,586	10,619	10,448	10,757	-1.6
Fabricated metal products	26,954	26,813	26,549	+0.5	+1.0	+0.7	27,339	27,077	26,707	26,372	+3.7
Industrial machinery and equipment	58,835	58,099	58,039	+1.3	+0.1	+0.3	59,262	57,445	59,039	59,854	-1.0
Engines and turbines	3,866	3,803	3,840	+1.7	-1.0	+0.4	3,802	3,654	3,747	3,730	+1.9
Farm and garden machinery	2,983	2,932	2,939	+1.7	-0.2	+2.2	3,016	3,117	3,277	2,931	+2.9
Construction, mining and material handling equipment	7,383	7,323	7,341	+0.8	-0.2	-0.2	7,509	7,425	7,451	7,245	+3.6
Metalworking machinery	7,423	7,311	7,163	+1.5	+2.1	+2.3	7,438	7,189	7,137	7,022	+5.9
Computer and office equipment	11,827	11,805	11,839	+0.2	-0.3	+1.0	11,910	11,114	12,237	13,814	-13.8
Electronic and other electrical equipment	41,263	40,806	40,897	+1.1	-0.2	0.0	41,674	40,327	40,948	41,350	+0.8
Electrical transmission and distribution equipment and industrial apparatus	4,895	4,855	4,864	+0.8	-0.2	+0.5	4,906	4,817	4,870	4,772	+2.8
Household appliances	2,773	2,686	2,727	+3.2	-1.5	-0.7	2,959	2,799	2,869	2,803	+5.6
Electric lighting and wiring equipment	3,396	3,353	3,347	+1.3	+0.2	+0.4	3,437	3,335	3,356	3,398	+1.1
Household audio and video equipment	1,440	1,470	1,532	-2.0	-4.0	-2.4	1,427	1,410	1,504	1,616	-11.7
Communications equipment	11,443	11,392	11,346	+0.4	+0.4	+0.2	11,696	11,222	11,394	11,079	+5.6
Electronic components	13,734	13,507	13,538	+1.7	-0.2	0.0	13,610	13,211	13,471	14,043	-3.1
Transportation equipment	72,510	71,133	70,785	+1.9	+0.5	+1.2	72,454	71,127	71,644	65,329	+10.9
Motor vehicles and parts	16,168	16,001	15,899	+1.0	+0.6	+1.3	16,207	16,052	16,100	15,727	+3.1
Aircraft, missiles, space vehicles, and parts	51,309	50,257	49,929	+2.1	+0.7	+1.4	51,188	50,110	50,461	44,563	+14.9
Shipbuilding and tanks	1,886	1,892	1,895	-0.3	-0.2	-0.5	1,916	1,924	1,927	1,848	+3.7
Instruments and related products	25,290	25,193	25,214	+0.4	-0.1	-0.2	25,414	24,918	25,093	24,759	+2.6
Search and navigation equipment	6,845	6,845	6,838	0.0	+0.1	-0.5	6,899	6,730	6,827	6,582	+4.8
Measuring and controlling devices	8,133	8,070	8,080	+0.8	-0.1	-0.6	8,182	8,043	8,064	7,931	+3.2
Medical instruments and supplies	7,634	7,613	7,598	+0.3	+0.2	+0.1	7,634	7,507	7,571	7,220	+5.7
Photographic goods	2,029	2,015	2,047	+0.7	-1.6	+1.2	2,043	1,989	1,984	2,391	-14.6
All other durable goods	25,832	25,723	25,632	+0.4	+0.4	0.0	25,777	25,745	26,092	24,921	+3.4
Nondurable goods industries	162,436	162,333	162,224	+0.1	+0.1	+0.4	163,472	162,665	163,004	162,315	+0.7
With unfilled orders	39,405	39,387	39,349	0.0	+0.1	+0.5	39,920	39,389	39,256	41,281	-3.3
Food and kindred products	33,362	33,410	33,386	-0.1	+0.1	+0.9	32,698	33,134	33,527	32,695	0.0
Meat products	4,090	4,017	3,975	+1.8	+1.1	+0.2	4,205	4,079	4,040	4,201	+0.1
Dairy products	3,057	3,004	2,928	+1.8	+2.6	+5.7	3,115	2,929	2,837	2,714	+14.8
Beverages	6,254	6,212	6,283	+0.7	-1.1	+0.2	6,279	6,226	6,286	6,238	+0.7
All other foods, except fats and oils	17,877	17,940	17,947	-0.4	0.0	+0.5	16,965	17,516	17,942	17,360	-2.3
Tobacco products	6,047	5,972	5,970	+1.3	0.0	-0.9	5,987	6,044	6,454	5,531	+8.2
Textile mill products	10,211	10,127	10,061	+0.8	+0.7	-0.4	10,497	10,172	10,198	10,390	+1.0
Broadwoven fabrics and other textiles	6,018	5,983	5,987	+0.6	-0.1	-0.9	6,162	5,988	6,088	6,187	-0.4
Paper and allied products	16,184	16,313	16,226	-0.8	+0.5	-1.0	16,427	16,500	16,383	17,499	-6.1
Pulp, paper, and paperboard mill products	6,634	6,653	6,696	-0.3	-0.6	-0.5	6,714	6,749	6,839	7,267	-7.6
Paperboard containers and boxes	4,018	4,104	4,005	-2.1	+2.5	-0.7	4,070	4,153	4,056	4,363	-6.7
Miscellaneous converted paper products	5,532	5,556	5,525	-0.4	+0.6	-1.8	5,643	5,598	5,488	5,869	-3.9
Chemicals and allied products	40,279	40,104	40,134	+0.4	-0.1	+0.7	40,733	40,472	40,554	39,561	+3.0
Industrial chemicals	19,282	19,354	19,360	-0.4	0.0	+0.3	19,263	19,443	19,611	18,927	+1.8
Drugs, soaps, and toiletries	16,016	15,670	15,662	+2.2	+0.1	+1.3	16,208	15,514	15,465	15,424	+5.1
Petroleum and coal products	12,836	13,063	13,068	-1.7	0.0	-1.2	13,004	12,949	12,731	12,527	+3.8
Rubber and plastics products	15,978	15,920	15,847	+0.4	+0.5	+0.3	16,308	16,308	16,243	15,466	+5.4
All other nondurable goods	27,539	27,424	27,532	+0.4	-0.4	+1.5	27,818	27,086	26,914	28,646	-2.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96	1997[p]	199
SHIPMENTS													
All manufacturing industries	325,633	321,787	321,419	+1.2	+0.1	+0.9	323,728	336,609	319,329	305,245	+6.1	1,268,012	1,189,6
Market categories :													
Automotive equipment	14,091	13,734	13,961	+2.6	-1.6	-1.9	15,061	14,694	15,332	14,886	+1.2	58,526	55,3
Home goods and apparel	19,518	18,958	19,326	+3.0	-1.9	+1.8	18,326	19,835	19,061	17,306	+5.9	73,122	68,7
Consumer staples	67,437	67,070	67,413	+0.5	-0.5	-1.6	65,377	67,156	64,873	63,675	+2.7	261,411	248,0
Machinery and equipment	59,232	58,920	57,146	+0.5	+3.1	+2.1	57,782	66,171	56,677	52,570	+9.9	227,982	209,9
Business supplies	25,422	25,213	25,493	+0.8	-1.1	+0.6	26,156	25,371	25,126	25,405	+3.0	99,924	94,81
Construction materials and supplies	20,614	20,006	20,093	+3.0	-0.4	+1.4	20,707	19,943	19,206	18,834	+9.9	77,240	70,8
Defense products	6,715	6,605	6,779	+1.7	-2.6	+6.4	6,370	6,959	6,863	5,875	+8.4	25,510	24,2
Other materials, supplies and and intermediate products	112,604	111,281	111,208	+1.2	+0.1	+1.7	113,949	116,480	112,191	106,694	+6.8	444,297	417,61
Durable goods industries :													
Nondefense capital goods [3]	46,211	45,787	44,148	+0.9	+3.7	+2.4	43,442	52,639	42,494	38,743	+12.1	173,596	159,88
Excluding aircraft and parts	39,273	39,220	38,344	+0.1	+2.3	+2.9	36,464	45,249	36,899	33,956	+7.4	149,190	141,78
Defense capital goods [4]	6,384	6,227	6,433	+2.5	-3.2	+6.1	5,976	6,562	6,459	5,482	+9.0	23,947	22,76
Durables excluding capital goods	124,862	123,383	123,160	+1.2	+0.2	+1.7	127,023	129,390	125,556	118,685	+7.0	493,245	456,72
Miscellaneous series :													
Producers' durable equipment	113,321	111,704	110,592	+1.4	+1.0	+1.7	112,772	122,729	112,307	104,426	+8.0	443,870	411,72
Household durable goods	9,655	9,670	9,657	-0.2	+0.1	+4.4	9,184	10,500	9,254	8,677	+5.8	36,693	33,93
Information technology industries	22,086	22,411	21,944	-1.5	+2.1	+4.4	19,133	26,542	20,065	17,484	+9.4	82,437	76,59
Health care equipment and products	10,729	10,661	10,729	+0.6	-0.6	-1.2	10,081	11,182	10,412	9,538	+5.7	42,002	38,94
NEW ORDERS													
All manufacturing industries	323,874	320,063	324,369	+1.2	-1.3	+0.4	322,888	335,721	324,898	305,815	+5.6	1,283,086	1,214,61
Market categories :													
Automotive equipment	14,097	13,769	13,985	+2.4	-1.5	-2.0	15,051	14,718	15,368	14,863	+1.3	58,717	55,33
Home goods and apparel	19,441	18,758	19,164	+3.6	-2.1	+4.9	18,536	19,876	19,258	17,749	+4.4	73,997	71,15
Consumer staples	67,505	67,285	67,161	+0.3	+0.2	-2.0	65,469	67,287	64,539	63,728	+2.7	261,347	248,02
Machinery and equipment	57,990	58,595	59,874	-1.0	-2.1	+1.9	57,003	64,845	60,080	51,917	+9.8	233,443	223,51
Business supplies	25,493	25,416	25,307	+0.3	+0.4	0.0	26,335	25,611	24,889	25,666	+2.6	100,132	94,96
Construction materials and supplies	20,913	20,024	19,957	+4.4	+0.3	-0.3	21,062	19,967	19,336	18,817	+11.9	78,127	71,48
Defense products	6,579	5,153	5,787	+27.7	-11.0	-10.1	5,778	7,915	5,922	5,433	+6.4	25,031	29,68
Other materials, supplies and and intermediate products	111,856	111,063	113,134	+0.7	-1.8	+1.4	113,654	115,502	115,506	107,642	+5.6	452,292	420,45
Durable goods industries :													
Nondefense capital goods [3]	44,623	45,527	46,911	-2.0	-3.0	+2.4	41,952	51,282	45,630	37,692	+11.3	177,879	173,127
Excluding aircraft and parts	39,590	40,244	40,609	-1.6	-0.9	+7.2	36,879	45,176	39,537	33,944	+8.6	154,074	145,076
Defense capital goods [4]	6,181	4,837	5,512	+27.8	-12.2	-11.1	5,372	7,636	5,635	5,053	+6.3	23,942	28,463
Durables excluding capital goods	124,707	122,859	124,652	+1.5	-1.4	+1.1	127,732	127,730	129,037	120,158	+6.3	502,572	461,424
Miscellaneous series :													
Producers' durable equipment	112,452	111,759	113,643	+0.6	-1.7	+1.9	112,215	121,240	116,225	103,714	+8.2	451,399	425,349
Household durable goods	9,678	9,609	9,767	+0.7	-1.6	+9.9	9,344	10,430	9,455	8,938	+4.5	37,383	35,122
Information technology industries	21,940	22,726	23,464	-3.5	-3.1	+8.7	19,234	26,568	21,844	18,072	+6.4	84,709	77,979
Health care equipment and products	10,920	10,568	10,702	+3.3	-1.3	-5.0	10,293	10,663	10,461	9,574	+7.5	42,345	38,860

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96
UNFILLED ORDERS											
All manufacturing industries	518,577	520,336	522,060	-0.3	-0.3	+0.6	523,837	524,677	525,565	499,435	+4.9
Market categories :											
Automotive equipment	2,031	2,025	1,989	+0.3	+1.8	+1.2	2,065	2,075	2,052	1,954	+5.7
Home goods and apparel	8,153	8,231	8,430	-0.9	-2.4	-1.9	8,496	8,285	8,244	9,970	-14.8
Consumer staples	2,166	2,099	1,884	+3.2	+11.4	-11.8	2,035	1,943	1,812	1,755	+16.0
Machinery and equipment	233,742	234,984	235,309	-0.5	-0.1	+1.2	234,251	235,031	236,357	222,467	+5.3
Business supplies	6,670	6,599	6,396	+1.1	+3.2	-2.8	6,695	6,516	6,277	6,383	+4.9
Construction materials and supplies	16,607	16,307	16,289	+1.8	+0.1	-0.8	16,807	16,452	16,428	15,878	+5.9
Defense products	102,884	103,020	104,471	-0.1	-1.4	-0.9	105,166	105,758	104,802	103,817	+1.3
Other materials, supplies and and intermediate products	146,324	147,071	147,292	-0.5	-0.2	+1.3	148,322	148,617	149,593	137,211	+8.1
Durable goods industries :											
Nondefense capital goods [3]	254,224	255,812	256,072	-0.6	-0.1	+1.1	254,381	255,871	257,228	240,417	+5.8
Excluding aircraft and parts	100,071	99,754	98,730	+0.3	+1.0	+2.3	100,228	99,813	99,886	98,612	+1.6
Defense capital goods [4]	107,924	108,127	109,517	-0.2	-1.3	-0.8	110,333	110,937	109,863	108,810	+1.4
Durables excluding capital goods	131,037	131,192	131,716	-0.1	-0.4	+1.1	133,306	132,597	134,257	126,134	+5.7
Miscellaneous series :											
Producers' durable equipment	267,648	268,517	268,462	-0.3	0.0	+1.1	267,996	268,553	270,042	255,971	+4.7
Household durable goods	5,397	5,374	5,435	+0.4	-1.1	+2.1	5,499	5,339	5,409	6,166	-10.8
Information technology industries	39,249	39,395	39,080	-0.4	+0.8	+4.0	39,008	38,907	38,881	39,625	-1.6
Health care equipment and products	8,121	7,931	8,023	+2.4	-1.1	-0.3	7,984	7,772	8,292	7,446	+7.2
TOTAL INVENTORIES											
All manufacturing industries	445,677	442,806	441,908	+0.6	+0.2	+0.4	448,198	442,192	445,350	437,183	+2.5
Market categories :											
Automotive equipment	8,173	8,032	7,995	+1.8	+0.5	+0.8	8,248	8,155	8,175	8,056	+2.4
Home goods and apparel	32,294	32,108	32,101	+0.6	0.0	-0.1	32,807	31,983	32,101	32,678	+0.4
Consumer staples	65,874	65,513	65,464	+0.6	+0.1	+0.8	65,548	65,016	65,531	64,181	+2.1
Machinery and equipment	116,997	115,173	114,575	+1.6	+0.5	+1.1	117,763	114,381	116,340	110,012	+7.0
Business supplies	26,192	26,238	26,211	-0.2	+0.1	+0.4	26,540	26,301	26,091	26,483	+0.2
Construction materials and supplies	26,437	26,336	26,275	+0.4	+0.2	+0.2	26,781	26,667	26,671	26,121	+2.5
Defense products	18,366	18,233	18,505	+0.7	-1.5	-2.2	18,342	18,078	18,323	19,022	-3.6
Other materials, supplies and and intermediate products	151,344	151,173	150,782	+0.1	+0.3	+0.2	152,169	151,611	152,118	150,630	+1.0
Durable goods industries :											
Nondefense capital goods [3]	110,954	109,256	108,672	+1.6	+0.5	+1.2	111,648	108,167	110,137	104,105	+7.2
Excluding aircraft and parts	71,322	70,578	70,587	+1.1	0.0	+0.2	72,100	69,514	71,294	72,549	-0.6
Defense capital goods [4]	18,461	18,370	18,659	+0.5	-1.5	-2.3	18,433	18,193	18,447	19,263	-4.3
Durables excluding capital goods	153,826	152,847	152,353	+0.6	+0.3	+0.3	154,645	153,167	153,762	151,500	+2.1
Miscellaneous series :											
Producers' durable equipment	185,015	182,510	181,579	+1.4	+0.5	+0.7	186,328	181,665	183,843	176,948	+5.3
Household durable goods	15,649	15,549	15,563	+0.6	-0.1	-0.5	15,827	15,518	15,775	15,379	+2.9
Information technology industries	35,683	35,545	35,565	+0.4	-0.1	+0.3	36,139	34,619	35,938	37,584	-3.8
Health care equipment and products	16,336	16,131	16,111	+1.3	+0.1	+0.7	16,440	15,945	15,982	15,602	+5.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Apr. 1996	Apr. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	144,035	143,933	143,127	+0.1	+0.6	+0.4	143,660	143,052	143,640	145,003	-0.9
Durable goods industries	83,424	83,263	82,365	+0.2	+1.1	+0.1	82,646	82,119	82,597	83,332	-0.8
Stone, clay, and glass products	2,861	2,822	2,830	+1.4	-0.3	+0.5	2,828	2,793	2,838	2,739	+3.2
Primary metals	7,943	7,945	7,912	0.0	+0.4	+1.1	7,709	7,716	7,889	7,328	+5.2
Fabricated metal products	9,956	9,947	9,839	+0.1	+1.1	+0.1	9,896	9,913	9,846	9,670	+2.3
Industrial machinery and equipment	16,708	16,974	16,751	-1.6	+1.3	+0.7	16,546	16,563	16,866	17,920	-7.7
Electronic and other electrical equipment	14,489	14,384	13,955	+0.7	+3.1	-0.3	14,529	14,231	13,829	15,073	-3.6
Transportation equipment	12,946	12,778	12,758	+1.3	+0.2	-0.9	13,011	12,779	12,870	12,750	+2.0
Instruments and related products	7,997	7,982	7,929	+0.2	+0.7	+0.5	8,025	7,939	7,876	7,766	+3.3
Lumber, furniture and miscellaneous durable goods	10,524	10,431	10,391	+0.9	+0.4	-0.1	10,102	10,185	10,583	10,086	+0.2
Nondurable goods industries	60,611	60,670	60,762	-0.1	-0.2	+0.8	61,014	60,933	61,043	61,671	-1.1
Food and kindred products	11,347	11,477	11,608	-1.1	-1.1	+1.1	11,324	11,613	11,788	11,796	-4.0
Tobacco products	4,964	4,876	4,831	+1.8	+0.9	-0.1	5,059	5,040	5,146	4,679	+8.1
Textile mill products	3,224	3,227	3,162	-0.1	+2.1	+1.4	3,278	3,254	3,217	2,994	+9.5
Paper and allied products	7,695	7,743	7,731	-0.6	+0.2	-0.6	7,719	7,765	7,770	8,320	-7.2
Chemicals and allied products	13,346	13,309	13,331	+0.3	-0.2	+1.4	13,395	13,270	13,285	12,992	+3.1
Petroleum and coal products	4,375	4,456	4,458	-1.8	0.0	-1.0	4,514	4,467	4,301	4,369	+3.3
Rubber and plastics products	5,938	5,919	5,927	+0.3	-0.1	-1.0	5,985	5,945	5,967	5,825	+2.7
Apparel, printing and publishing and leather goods	9,722	9,663	9,714	+0.6	-0.5	+3.0	9,740	9,579	9,569	10,696	-8.9
WORK IN PROCESS											
All manufacturing industries	150,434	149,074	148,417	+0.9	+0.4	+0.6	150,573	148,495	149,040	143,188	+5.2
Durable goods industries	123,674	122,502	121,911	+1.0	+0.5	+0.5	123,906	122,123	122,667	117,399	+5.5
Stone, clay, and glass products	1,230	1,261	1,281	-2.5	-1.6	+1.3	1,293	1,345	1,342	1,296	-0.2
Primary metals	8,984	9,007	8,981	-0.3	+0.3	+0.1	9,043	9,079	8,955	9,096	-0.6
Fabricated metal products	7,420	7,353	7,329	+0.9	+0.3	+1.2	7,472	7,350	7,305	7,496	-0.3
Industrial machinery and equipment	24,320	23,924	23,580	+1.7	+1.5	-0.7	24,423	23,633	23,812	24,093	+1.4
Electronic and other electrical equipment	14,913	14,987	15,165	-0.5	-1.2	+0.3	15,014	14,977	15,225	15,114	-0.7
Transportation equipment	51,130	50,273	49,812	+1.7	+0.9	+1.5	50,824	50,128	50,248	44,632	+13.9
Instruments and related products	11,201	11,185	11,258	+0.1	-0.6	-1.1	11,306	11,070	11,261	11,048	+2.3
Lumber, furniture and miscellaneous durable goods	4,476	4,512	4,505	-0.8	+0.2	+0.2	4,531	4,541	4,519	4,624	-2.0
Nondurable goods industries	26,760	26,572	26,506	+0.7	+0.2	+0.9	26,667	26,372	26,373	25,789	+3.4
Food and kindred products	4,687	4,570	4,634	+2.6	-1.4	+1.3	4,480	4,491	4,636	4,257	+5.2
Tobacco products	274	299	290	-8.4	+3.1	+16.9	207	259	275	203	+2.0
Textile mill products	2,691	2,643	2,663	+1.8	-0.8	+0.4	2,731	2,647	2,667	2,844	-4.0
Paper and allied products	1,767	1,776	1,772	-0.5	+0.2	-0.4	1,790	1,778	1,769	1,781	+0.5
Chemicals and allied products	7,196	7,046	6,894	+2.1	+2.2	+1.0	7,194	6,997	6,891	6,740	+6.7
Petroleum and coal products	2,581	2,667	2,695	-3.2	-1.0	-1.2	2,601	2,663	2,630	2,520	+3.2
Rubber and plastics products	2,140	2,144	2,106	-0.2	+1.8	+2.7	2,131	2,149	2,158	2,017	+5.7
Apparel, printing and publishing and leather goods	5,424	5,427	5,452	-0.1	-0.5	+0.6	5,533	5,388	5,347	5,427	+2.0
FINISHED GOODS											
All manufacturing industries	151,208	149,799	150,364	+0.9	-0.4	+0.3	153,965	150,645	152,670	148,992	+3.3
Durable goods industries	76,143	74,708	75,408	+1.9	-0.9	+0.8	78,174	75,285	77,082	74,137	+5.4
Stone, clay, and glass products	4,428	4,422	4,415	+0.1	+0.2	-0.3	4,626	4,553	4,542	4,538	+1.9
Primary metals	7,111	7,249	7,149	-1.9	+1.4	0.0	7,307	7,402	7,257	7,286	+0.3
Fabricated metal products	9,578	9,513	9,381	+0.7	+1.4	+0.9	9,971	9,814	9,556	9,206	+8.3
Industrial machinery and equipment	17,807	17,201	17,708	+3.5	-2.9	+1.4	18,293	17,249	18,361	17,841	+2.5
Electronic and other electrical equipment	11,861	11,435	11,777	+3.7	-2.9	0.0	12,131	11,119	11,894	11,163	+8.7
Transportation equipment	8,434	8,082	8,215	+4.4	-1.6	+3.0	8,619	8,220	8,526	7,947	+8.5
Instruments and related products	6,092	6,026	6,027	+1.1	0.0	+0.8	6,083	5,909	5,956	5,945	+2.3
Lumber, furniture and miscellaneous durable goods	10,832	10,780	10,736	+0.5	+0.4	+0.1	11,144	11,019	10,990	10,211	+9.1
Nondurable goods industries	75,065	75,091	74,956	0.0	+0.2	-0.1	75,791	75,360	75,588	74,855	+1.3
Food and kindred products	17,328	17,363	17,144	-0.2	+1.3	+0.6	16,894	17,030	17,103	16,642	+1.5
Tobacco products	809	797	849	+1.5	-6.1	-10.1	721	745	1,033	649	+11.1
Textile mill products	4,296	4,257	4,236	+0.9	+0.5	-2.2	4,488	4,271	4,314	4,552	-1.4
Paper and allied products	6,722	6,794	6,723	-1.1	+1.1	-1.6	6,918	6,957	6,844	7,398	-6.5
Chemicals and allied products	19,737	19,749	19,909	-0.1	-0.8	+0.1	20,144	20,205	20,378	19,829	+1.6
Petroleum and coal products	5,880	5,940	5,915	-1.0	+0.4	-1.3	5,889	5,819	5,800	5,638	+4.5
Rubber and plastics products	7,900	7,857	7,814	+0.5	+0.6	+0.7	8,192	8,214	8,118	7,624	+7.5
Apparel, printing and publishing and leather goods	12,393	12,334	12,366	+0.5	-0.3	+0.8	12,545	12,119	11,998	12,523	+0.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Jan. 1997	Apr. 1997[p]	Mar. 1997[r]	Feb. 1997	Jan. 1997
All manufacturing industries	1.37	1.38	1.37	1.38	2.86	2.89	2.92	2.98
urable goods industries	1.60	1.60	1.61	1.63	3.40	3.44	3.50	3.57
Stone, clay, and glass products	1.13	1.15	1.14	1.18	0.95	0.95	0.93	0.99
Primary metals	1.51	1.54	1.53	1.54	1.98	1.98	1.96	1.97
Fabricated metal products	1.46	1.49	1.47	1.48	1.43	1.45	1.43	1.44
Industrial machinery and equipment	1.76	1.76	1.80	1.80	2.36	2.37	2.41	2.40
Electronic and other electrical equipment	1.45	1.38	1.43	1.52	1.76	1.74	1.83	1.87
Transportation equipment	1.76	1.78	1.77	1.75	11.61	12.16	12.47	12.78
nstruments and related products	1.90	1.91	1.91	1.99	3.65	3.68	3.66	3.76
ondurable goods industries	1.10	1.11	1.10	1.09	0.70	0.70	0.68	0.70
Food and kindred products	0.84	0.85	0.85	0.84	(X)	(X)	(X)	(X)
Tobacco products	2.06	1.99	2.05	1.96	(X)	(X)	(X)	(X)
Textile mill products	1.50	1.50	1.49	1.51	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.25	1.22	1.23	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.24	1.23	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.85	0.81	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.32	1.30	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr.[1] 1997	Apr.[2] 1992-1996	Apr. 1996-Mar. 1997	Apr.[1] 1997	Apr.[2] 1992-1996	Apr. 1996-Mar. 1997	Apr.[1] 1997	Apr.[2] 1992-1996	Apr. 1996-Mar. 1997	Apr.[1] 1997	Apr.[2] 1992-1996	Apr. 1996-Mar. 1997
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.0
rable goods industries	0.1	0.2	0.2	-0.1	0.4	0.3	0.0	0.0	0.1	(X)	0.1	0.1
tone, clay, and glass products	(X)	1.0	0.5	(X)	1.8	0.8	(X)	0.9	0.7	(X)	0.2	0.1
rimary metals	0.0	0.4	0.3	0.1	1.8	0.8	0.1	0.5	0.4	(X)	0.3	0.0
abricated metal products	(X)	0.3	0.3	(X)	0.2	0.6	(X)	0.1	0.3	(X)	0.1	0.1
ndustrial machinery and equipment	0.0	0.4	0.4	0.5	0.6	0.5	0.1	0.2	0.1	(X)	0.1	0.1
lectronic and other electrical equipment	-0.1	0.3	0.5	-0.4	0.6	0.8	-0.1	0.1	0.4	(X)	0.1	0.2
ransportation equipment	-0.3	0.3	0.4	-1.1	0.4	1.1	-0.1	0.1	0.2	(X)	0.1	0.1
nstruments and related products	(X)	0.3	0.4	(X)	1.0	1.0	(X)	0.2	0.2	(X)	0.1	0.2
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
ood and kindred products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
obacco products	(X)	0.6	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0
extile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
aper and allied products	(X)	0.1	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
hemicals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
etroleum and coal products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
ubber and plastics products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
pital goods industries :												
ondefense	-0.2	0.3	0.3	-0.7	0.5	0.6	-0.1	0.0	0.1	(X)	0.1	0.1
efense	-0.3	0.4	0.6	-0.2	2.8	4.6	0.0	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

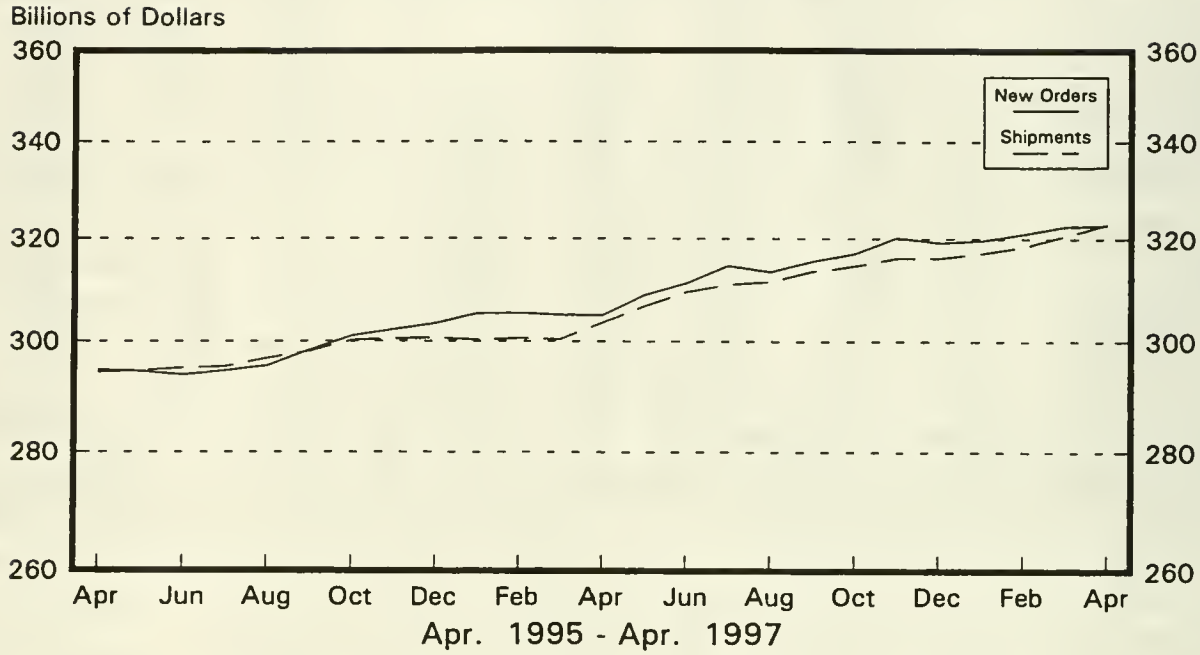
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

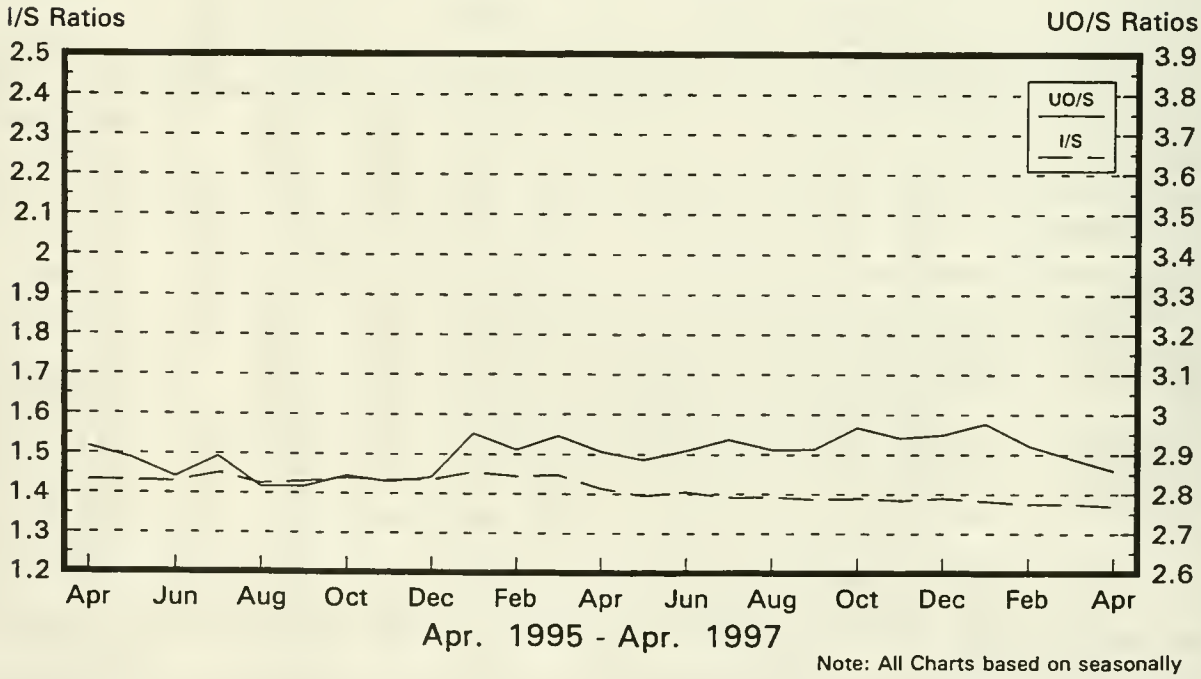
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

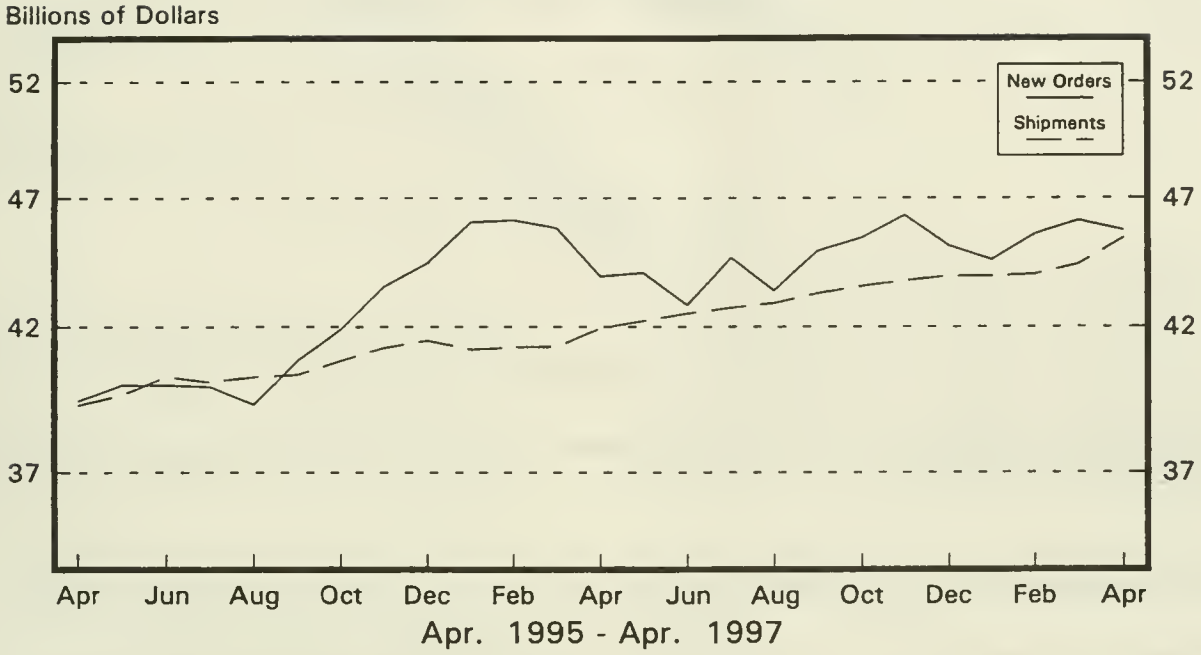
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

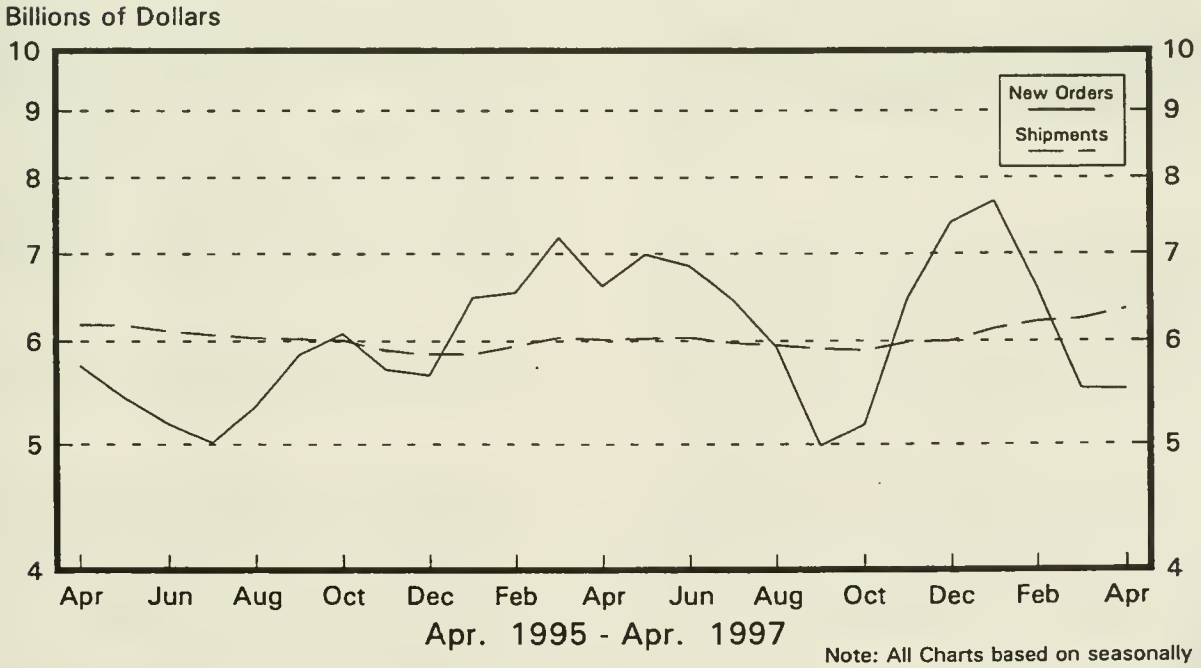
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on June 18, 1997. The revision to the historical data are the result of:

- benchmarking the shipments and inventory data to the 1993-1995 Annual Survey of Manufactures (ASM).
- adjusting new and unfilled orders to be consistent with the benchmarked shipments and inventory data.
- correcting monthly data for late receipts, reclassification of reported data, and revisions to previously reported data.
- updating the seasonal adjustment factors for all series.

The publication will include data from 1987-December 1996. An accompanying press release will include the revised 1997 January - April data. Please call Kathy Menth on (301) 457-4832 with questions.

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rrent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

S. Department of Commerce
onomics and Statistics Administration
REAU OF THE CENSUS

May 1997
M3-1-(97)-05
For Wire Transmissions 10:00 a.m. E.D.T. July 2, 1997

AUG 14 1997

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May decreased $2.2 billion or 0.7 ercent to $323.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.4 percent April increase and is the econd decrease in the last three months. Excluding transportation, new rders decreased 0.4 percent, following a 1.2 percent April increase. Year o date, new orders are 5.0 percent above the same period a year ago.

Shipments, down two of the last three months, decreased $3.4 billion or .0 percent to $323.5 billion, following a 1.2 percent April increase. Year o date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, down for the third consecutive month, decreased $0.2 illion to $522.0 billion, following a 0.3 percent April decrease. The nfilled orders-to-shipments ratio was 2.89, up from 2.86 in April.

Inventories, up ten of the last eleven months, increased $1.8 billion or .4 percent to $443.3 billion, following a 0.7 percent April increase. The ventories-to-shipments ratio was 1.37, up from 1.35 in April.

ew Orders

New orders for manufactured durable goods in May decreased $1.3 illion or 0.7 percent to $175.9 billion, revised from the previously published .6 percent decrease. This follows a 1.8 percent April increase and is the econd decrease in the last three months.

Transportation equipment, down three of the last four months, had the rgest decline, $1.2 billion or 3.0 percent to $38.5 billion, due to motor ehicles and parts and aircraft and parts. This follows a 2.8 percent April ncrease. Instruments and related products, down two of the last three onths, decreased $1.0 billion or 7.7 percent to $12.2 billion. This follows 2.5 percent April increase. Fabricated metal products, also down two of e last three months, decreased $0.8 billion or 4.0 percent to $18.5 billion, llowing a 3.7 percent April increase. Industrial machinery and equipment, own two of the last three months, decreased $0.5 billion or 1.5 percent to 33.4 billion. This follows a 3.0 percent April increase. Primary metals, own for the first month since October, decreased $0.3 billion or 1.9 percent $15.6 billion, following a 2.4 percent April increase. Electronic and other ectrical equipment, up following two consecutive monthly declines, creased $2.8 billion or 10.0 percent to $30.7 billion, due to electronic omponents and communication equipment. This follows a 3.2 percent April ecrease.

New orders for nondurable goods, down three of the last four months, ecreased $1.0 billion or 0.7 percent to $147.5 billion, following a 0.8 ercent April increase. Paper and allied products, rubber and plastic roducts, and apparel and related products had the largest decreases.

hipments

Shipments of durable goods in May, down for the first month since ecember, decreased $2.5 billion or 1.4 percent to $176.0 billion, revised om the previously published 1.2 percent decrease. This follows a 1.3 ercent April increase.

Transportation equipment, down for the first month since December, had e largest decrease, $1.4 billion or 3.3 percent to $41.0 billion, mostly due to motor vehicles and parts. This follows a 3.3 percent April increase. Fabricated metal products declined $0.4 billion or 2.0 percent to $18.6 billion, following a 2.6 percent April increase. This is the second decline in the last three months. Primary metals, down two of the last three months, decreased $0.3 billion or 1.7 percent to $15.2 billion, following a 1.4 percent April increase. Instruments and related products, down two of the last three months, declined $0.2 billion or 1.9 percent to $12.7 billion, following a 0.7 percent April increase. Industrial machinery and equipment, down for the first month since January, decreased $0.2 billion or 0.5 percent to $33.2 billion, following a 1.9 percent April increase. Electronic and other electrical equipment, up three of the last four months, increased $0.2 billion or 0.5 percent to $28.6 billion, following a 3.4 percent April decrease.

Shipments of nondurable goods, down three of the last four months, decreased $0.9 billion or 0.6 percent to $147.5 billion. This follows a 1.2 percent April increase. Rubber and plastic products and apparel and related products had the largest declines.

Unfilled Orders

Unfilled orders for durable goods in May decreased $0.2 billion to $496.5 billion, unrevised from the previously published slight decrease. This follows a 0.3 percent April decline and is the third consecutive monthly decline.

Transportation equipment, down for the fourth consecutive month, had the largest decrease, $2.4 billion or 1.0 percent to $250.5 billion, mostly due to aircraft and parts. This follows a 1.0 percent April decrease. Instruments and related products, down for the first month since October, decreased $0.4 billion or 0.9 percent to $46.8 billion. Electronic and other electrical equipment had the largest increase, $2.0 billion or 3.9 percent to $53.9 billion, following decreases of 1.1 percent in April and 1.3 percent in March. Primary metals, up for the fifth consecutive month, increased $0.4 billion or 1.4 percent to $30.9 billion, following a 1.6 percent April increase. Industrial machinery and equipment, up for the fifth consecutive month, increased $0.2 billion or 0.3 percent to $74.5 billion, following a 0.7 percent April increase.

Inventories

Inventories of durable goods in May, up ten of the last eleven months, increased $1.1 billion or 0.4 percent to $278.1 billion. This follows a 0.9 percent April increase. Industrial machinery and equipment, up four of the last five months, increased $0.3 billion or 0.4 percent to $59.7 billion. This follows a 1.3 percent April increase. Transportation equipment, up for the seventeenth consecutive month, increased $0.2 billion or 0.3 percent to $66.0 billion. This follows a 1.3 percent April increase. Electronic and other electrical equipment, up three of the last four months, increased $0.2 billion or 0.5 percent to $39.7 billion, following a 1.2 percent April increase.

Inventories of nondurable goods, up nine of the last ten months, increased $0.7 billion or 0.4 percent to $165.2 billion, following a 0.4 percent April increase. Rubber and plastic products, printing and publishing, and petroleum and coal products had the largest increases.

By stage of fabrication, May finished goods increased 0.6 percent in durables and 0.3 percent in nondurables. Work in progress increased 0.3 percent in durables and 1.7 percent in nondurables. Materials and supplies increased 0.4 percent in durables and decreased slightly in nondurables.

OTE: The data in this press release are consistent with the revised historical series released June 18, 1997. A report which includes these data from 1987 through 1996 is available on our nternet site, on STAT-USA, on diskettes, or from Census Bureau's customer services. Please call (301) 457-4100 to order the book, or (301) 457-1227 to order diskettes. Our internet site ddress is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

he advance report on durable goods for June is scheduled for July 25, 1997 at 8:30 a.m. and the full report on August 1, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, .S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) 202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96	1997[p]	1996
All manufacturing industries	323,535	326,909	322,923	-1.0	+1.2	0.0	325,098	325,134	337,516	315,731	+3.0	1,597,828	1,511,642
Manufacturing Industries													
with unfilled orders	180,848	182,347	180,661	-0.8	+0.9	+0.6	178,938	178,540	191,778	171,500	+4.3	882,079	830,638
without defense capital goods	317,247	320,490	316,655	-1.0	+1.2	+0.1	318,997	319,114	330,916	309,853	+3.0	1,567,638	1,482,853
Durable goods industries	176,021	178,482	176,224	-1.4	+1.3	+0.8	177,153	177,787	189,274	170,750	+3.7	871,868	813,535
With unfilled orders	144,693	146,177	144,652	-1.0	+1.1	+1.0	143,604	143,082	155,695	136,414	+5.3	706,433	656,579
Stone, clay, and glass products	7,597	7,614	7,505	-0.2	+1.5	-1.0	7,828	7,800	7,269	7,266	+7.7	36,141	32,593
Primary metals	15,169	15,425	15,206	-1.7	+1.4	-0.4	15,679	16,000	15,781	15,144	+3.5	77,514	73,331
Blast furnaces, steel mills	6,074	6,238	6,219	-2.6	+0.3	-0.4	6,250	6,462	6,402	6,212	+0.6	31,674	30,474
Iron and steel foundries	1,422	1,472	1,404	-3.4	+4.8	-3.0	1,526	1,574	1,441	1,513	+0.9	7,386	6,902
Nonferrous and other primary metals	7,673	7,715	7,583	-0.5	+1.7	+0.1	7,903	7,964	7,938	7,419	+6.5	38,454	35,955
Fabricated metal products	18,620	19,003	18,519	-2.0	+2.6	-0.9	18,998	19,268	19,111	18,653	+1.8	92,997	87,915
Industrial machinery and equipment	33,161	33,323	32,690	-0.5	+1.9	+1.6	32,533	32,264	38,390	30,732	+5.9	161,934	153,663
Engines and turbines	1,892	1,903	1,814	-0.6	+4.9	+3.0	1,798	1,785	2,082	1,685	+6.7	8,869	8,901
Farm and garden machinery	1,975	2,031	1,950	-2.8	+4.2	+5.3	2,344	2,691	2,669	2,246	+4.4	11,608	10,869
Construction, mining and material handling equipment	3,713	3,865	3,728	-3.9	+3.7	+1.4	3,795	3,994	4,132	3,525	+7.7	19,010	17,330
Metalworking machinery	3,405	3,340	3,291	+1.9	+1.5	+2.8	3,388	3,152	3,554	3,013	+12.4	15,727	14,279
Computer and office equipment	8,872	8,670	8,850	+2.3	-2.0	+2.8	7,621	6,678	11,645	7,157	+6.5	40,009	37,860
Electronic and other electrical equipment	28,641	28,485	29,488	+0.5	-3.4	+3.9	27,797	26,632	31,505	25,876	+7.4	136,671	126,616
Electrical transmission and distribution equipment and industrial apparatus	3,240	3,327	3,162	-2.6	+5.2	-1.1	3,179	3,309	3,405	3,052	+4.2	15,939	15,217
Household appliances	1,939	1,989	2,022	-2.5	-1.6	+0.3	1,968	1,994	2,235	2,048	-3.9	9,715	9,527
Electric lighting and wiring equipment	2,131	2,144	2,056	-0.6	+4.3	-0.9	2,122	2,065	2,208	1,974	+7.5	10,385	9,745
Household audio and video equipment	1,336	1,303	1,310	+2.5	-0.5	+0.8	1,132	1,044	1,248	1,044	+8.4	5,621	5,207
Communications equipment	6,319	6,023	6,240	+4.9	-3.5	+3.0	5,880	5,329	6,944	5,012	+17.3	27,792	24,479
Electronic components	11,558	11,475	12,557	+0.7	-8.6	+8.9	11,419	10,814	13,439	10,485	+8.9	56,875	52,113
Transportation equipment	40,966	42,346	41,009	-3.3	+3.3	0.0	42,647	44,282	44,037	43,026	-0.9	211,938	197,106
Motor vehicles and parts	27,773	28,971	28,153	-4.1	+2.9	-1.8	29,897	31,126	29,940	31,346	-4.6	150,862	144,145
Aircraft, missiles, space vehicles, and parts	10,469	10,751	10,185	-2.6	+5.6	+6.7	9,936	10,436	11,208	8,861	+12.1	47,856	39,056
Shipbuilding and tanks	994	915	871	+8.6	+5.1	-0.3	1,025	891	893	849	+20.7	4,304	4,391
Instruments and related products	12,692	12,942	12,854	-1.9	+0.7	-0.4	12,637	12,407	13,744	12,221	+3.4	62,524	58,685
Search and navigation equipment	2,539	2,644	2,565	-4.0	+3.1	-0.8	2,522	2,539	2,766	2,476	+1.9	12,650	11,879
Measuring and controlling devices	3,749	3,843	3,730	-2.4	+3.0	-4.0	3,745	3,691	4,093	3,697	+1.3	18,579	17,811
Medical instruments and supplies	4,007	4,030	4,117	-0.6	-2.1	+1.2	3,883	3,797	4,436	3,754	+3.4	19,765	18,516
Photographic goods	1,974	1,989	2,016	-0.8	-1.3	+4.2	2,049	1,926	2,018	1,908	+7.4	9,387	8,745
All other durable goods	19,175	19,344	18,953	-0.9	+2.1	+0.4	19,034	19,134	19,437	17,832	+6.7	92,149	83,626
Nondurable goods industries	147,514	148,427	146,699	-0.6	+1.2	-0.9	147,945	147,347	148,242	144,981	+2.0	725,960	698,107
With unfilled orders	36,155	36,170	36,009	0.0	+0.4	-0.8	35,334	35,458	36,083	35,086	+0.7	175,646	174,059
Food and kindred products	40,175	40,150	40,148	+0.1	0.0	+0.6	40,257	38,970	40,406	39,397	+2.2	195,357	189,831
Meat products	8,860	8,878	8,991	-0.2	-1.3	+1.2	9,028	8,606	8,925	9,013	+0.2	43,261	42,381
Dairy products	5,113	4,895	5,057	+4.5	-3.2	+2.3	5,179	4,745	5,126	4,916	+5.3	24,734	23,544
Beverages	5,844	5,836	5,873	+0.1	-0.6	+0.9	6,317	5,865	5,825	6,202	+1.9	28,037	27,339
All other foods, except fats and oils	18,389	18,398	18,183	0.0	+1.2	0.0	17,764	17,611	18,486	17,422	+2.0	89,101	87,127
Tobacco products	3,191	3,065	3,094	+4.1	-0.9	+3.2	3,351	2,913	3,283	2,851	+17.5	15,444	13,781
Textile mill products	6,809	6,866	6,821	-0.8	+0.7	-0.3	6,852	6,574	7,241	6,578	+4.2	33,121	31,205
Broadwoven fabrics and other textiles	4,160	4,216	4,245	-1.3	-0.7	+1.0	4,264	4,091	4,637	4,163	+2.4	20,805	19,846
Paper and allied products	13,378	13,533	13,125	-1.1	+3.1	-1.7	13,344	13,310	13,203	13,530	-1.4	66,008	67,940
Pulp, paper, and paperboard mill products	5,294	5,399	5,360	-1.9	+0.7	+0.8	5,273	5,313	5,374	5,485	-3.9	26,209	27,720
Paperboard containers and boxes	3,253	3,233	3,193	+0.6	+1.3	-1.9	3,308	3,268	3,270	3,314	-0.2	16,317	16,806
Miscellaneous converted paper products	4,831	4,901	4,572	-1.4	+7.2	-4.3	4,763	4,729	4,559	4,731	+0.7	23,482	23,414
Chemicals and allied products	32,904	32,975	32,167	-0.2	+2.5	-1.1	33,427	34,258	33,611	31,797	+5.1	164,447	153,604
Industrial chemicals	15,851	16,070	15,977	-1.4	+0.6	-1.0	16,136	16,612	16,550	15,747	+2.5	80,648	75,971
Drugs, soaps, and toiletries	12,932	12,777	12,273	+1.2	+4.1	-1.7	12,027	12,011	12,646	11,126	+8.1	61,278	56,390
Petroleum and coal products	14,773	14,941	15,186	-1.1	-1.6	-4.0	15,420	14,977	14,231	15,773	-2.2	74,441	69,375
Rubber and plastics products	12,258	12,688	12,274	-3.4	+3.4	-0.8	12,753	13,122	12,754	12,681	+0.6	62,474	60,300
All other nondurable goods	24,026	24,209	23,884	-0.8	+1.4	-1.8	22,541	23,223	23,513	22,374	+0.7	114,668	112,071

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96	1997[p]	1996
All manufacturing industries	323,316	325,544	321,146	-0.7	+1.4	-1.7	323,126	325,066	336,218	316,493	+2.1	1,611,230	1,536,782
nufacturing industries													
ith unfilled orders	180,629	180,982	178,884	-0.2	+1.2	-2.3	176,966	178,472	190,480	172,262	+2.7	895,481	855,778
ithout defense capital goods	317,859	319,273	316,226	-0.4	+1.0	-1.4	319,177	319,512	328,558	311,685	+2.4	1,583,150	1,503,267
rable goods industries	175,860	177,112	173,944	-0.7	+1.8	-2.8	175,077	177,266	186,908	171,243	+2.2	883,757	837,128
ith unfilled orders	144,532	144,807	142,372	-0.2	+1.7	-3.3	141,528	142,561	153,329	136,907	+3.4	718,322	680,172
ne, clay, and glass products	7,653	7,671	7,588	-0.2	+1.1	+2.0	7,919	7,892	7,288	7,165	+10.5	36,615	32,833
mary metals	15,608	15,904	15,524	-1.9	+2.4	+0.4	15,564	16,282	16,279	14,953	+4.1	80,625	75,070
last furnaces, steel mills	6,218	6,512	6,101	-4.5	+6.7	-1.6	6,230	6,708	6,292	6,344	-1.8	32,947	31,590
ron and steel foundries	1,509	1,522	1,512	-0.9	+0.7	+0.8	1,525	1,597	1,602	1,420	+7.4	7,934	7,397
onferrous and other primary metals	7,881	7,870	7,911	+0.1	-0.5	+1.9	7,809	7,977	8,385	7,189	+8.6	39,744	36,083
ricated metal products	18,540	19,319	18,623	-4.0	+3.7	-1.9	18,895	19,603	19,225	19,045	-0.8	94,198	88,823
ustrial machinery and equipment	33,350	33,861	32,890	-1.5	+3.0	-0.9	32,723	32,781	37,436	30,959	+5.7	164,184	155,158
ngines and turbines	1,529	1,746	1,947	-12.4	-10.3	-11.4	1,415	1,362	1,815	1,751	-19.2	7,789	7,940
onstruction, mining and material handling equipment	3,654	3,954	3,787	-7.6	+4.4	+3.0	3,586	4,041	4,312	3,488	+2.8	19,636	18,040
etalworking machinery	3,279	3,547	3,242	-7.6	+9.4	-5.1	3,262	3,359	3,505	3,183	+2.5	16,158	14,768
omputer and office equipment	8,993	8,538	8,634	+5.3	-1.1	+0.4	8,114	6,805	11,161	7,500	+8.2	40,077	37,966
ctronic and other ectrical equipment	30,685	27,884	28,805	+10.0	-3.2	-6.1	29,558	27,053	29,379	24,597	+20.2	143,037	127,003
lectrical transmission and distribution equipment and industrial apparatus	3,245	3,366	3,289	-3.6	+2.3	0.0	3,137	3,332	3,511	3,037	+3.3	16,448	15,258
lectric lighting and wiring equipment	2,122	2,266	1,968	-6.4	+15.1	-2.7	2,113	2,187	2,120	1,970	+7.3	10,467	9,957
ommunications equipment	6,688	6,018	6,549	+11.1	-8.1	-6.5	6,234	5,336	7,256	4,482	+39.1	29,634	25,237
lectronic components	13,273	10,621	11,339	+25.0	-6.3	-11.1	12,873	10,955	11,031	9,633	+33.6	59,794	50,916
nsportation equipment	38,517	39,717	38,618	-3.0	+2.8	-4.8	38,693	41,546	43,874	44,207	-12.5	207,717	214,157
Aircraft, missiles, space vehicles, and parts	8,246	8,724	7,691	-5.5	+13.4	-21.1	6,561	8,345	10,896	10,805	-39.3	44,781	57,238
hipbuilding and tanks	903	692	570	+30.5	+21.4	+50.0	948	723	635	492	+92.7	3,330	4,085
ruments and related products	12,245	13,267	12,940	-7.7	+2.5	-5.2	12,096	12,438	13,804	11,984	+0.9	63,660	58,717
earch and navigation equipment	1,932	2,630	2,729	-26.5	-3.6	-16.1	1,761	2,259	3,153	2,230	-21.0	12,556	11,652
easuring and controlling devices	3,772	3,819	3,727	-1.2	+2.5	-3.6	3,768	3,667	4,090	3,534	+6.6	18,798	17,764
edical instruments and supplies	4,070	4,347	4,000	-6.4	+8.7	-1.5	4,000	4,140	3,928	3,950	+1.3	20,351	18,632
other durable goods	19,262	19,489	18,956	-1.2	+2.8	+0.1	19,629	19,671	19,623	18,333	+7.1	93,721	85,367
ndurable goods industries	147,456	148,432	147,202	-0.7	+0.8	-0.3	148,049	147,800	149,310	145,250	+1.9	727,473	699,654
ith unfilled orders	36,097	36,175	36,512	-0.2	-0.9	+1.8	35,438	35,911	37,151	35,355	+0.2	177,159	175,606

[p] Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), anufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 97/96
	May 1997[p]	Apr 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar	May 1997[p]	Apr. 1997[r]	Mar 1997	May 1996	
All manufacturing industries	521,995	522,214	523,579	0.0	-0.3	-0.3	525,621	527,593	527,661	502,174	+4.7
Manufacturing industries without defense capital goods	413,616	413,004	414,221	+0.1	-0.3	-0.1	416,053	415,873	415,475	393,146	+5.8
Durable goods industries	496,510	496,671	498,041	0.0	-0.3	-0.5	499,463	501,539	502,060	477,606	+4.6
Stone, clay, and glass products	6,899	6,843	6,786	+0.8	+0.8	+1.2	7,051	6,960	6,868	7,049	0.0
Primary metals	30,884	30,445	29,966	+1.4	+1.6	+1.1	31,549	31,664	31,382	28,931	+9.0
Blast furnaces, steel mills	12,411	12,267	11,993	+1.2	+2.3	-1.0	12,808	12,828	12,582	12,624	+1.5
Iron and steel foundries	4,764	4,677	4,627	+1.9	+1.1	+2.4	4,840	4,841	4,818	4,030	+20.1
Nonferrous and other primary metals	13,709	13,501	13,346	+1.5	+1.2	+2.5	13,901	13,995	13,982	12,277	+13.2
Fabricated metal products	25,369	25,449	25,133	-0.3	+1.3	+0.4	25,431	25,534	25,199	23,097	+10.1
Industrial machinery and equipment	74,454	74,265	73,727	+0.3	+0.7	+0.3	74,414	74,224	73,707	72,208	+3.1
Engines and turbines	12,172	12,535	12,692	-2.9	-1.2	+1.1	11,621	12,004	12,427	11,333	+2.5
Construction, mining and material handling equipment	9,047	9,106	9,017	-0.6	+1.0	+0.7	9,255	9,464	9,417	9,078	+1.9
Metalworking machinery	8,641	8,767	8,560	-1.4	+2.4	-0.6	8,641	8,767	8,560	8,655	-0.2
Computer and office equipment	9,723	9,602	9,734	+1.3	-1.4	-2.2	9,849	9,356	9,229	9,552	+3.1
Electronic and other electrical equipment	53,852	51,808	52,409	+3.9	-1.1	-1.3	54,228	52,467	52,046	49,860	+8.8
Electrical transmission and distribution equipment and industrial apparatus	6,784	6,779	6,740	+0.1	+0.6	+1.9	6,811	6,853	6,830	6,126	+11.2
Electric lighting and wiring equipment	4,496	4,505	4,383	-0.2	+2.8	-2.0	4,496	4,505	4,383	4,094	+9.8
Communications equipment	14,242	13,873	13,878	+2.7	0.0	+2.3	14,242	13,888	13,881	14,260	-0.1
Electronic components	22,345	20,630	21,484	+8.3	-4.0	-5.4	22,680	21,226	21,085	20,135	+12.6
Transportation equipment	250,533	252,982	255,611	-1.0	-1.0	-0.9	251,514	255,468	258,204	241,586	+4.1
Aircraft, missiles, space vehicles, and parts	218,753	220,976	223,003	-1.0	-0.9	-1.1	219,834	223,209	225,300	210,747	+4.3
Shipbuilding and tanks	18,422	18,513	18,736	-0.5	-1.2	-1.6	18,479	18,556	18,724	18,129	+1.9
Instruments and related products	46,830	47,277	46,952	-0.9	+0.7	+0.2	46,948	47,489	47,458	46,588	+0.8
Search and navigation equipment	27,415	28,022	28,036	-2.2	0.0	+0.6	27,523	28,284	28,564	28,550	-3.6
Measuring and controlling devices	9,966	9,943	9,967	+0.2	-0.2	0.0	9,966	9,943	9,967	9,677	+3.0
Medical instruments and supplies	8,085	8,022	7,705	+0.8	+4.1	-1.5	8,012	7,895	7,552	7,434	+7.8
All other durable goods	7,689	7,602	7,457	+1.1	+1.9	0.0	8,328	7,733	7,196	8,287	+0.5
Nondurable goods industries	25,485	25,543	25,538	-0.2	0.0	+2.0	26,158	26,054	25,601	24,568	+6.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96
All manufacturing industries	443,315	441,508	438,560	+0.4	+0.7	+0.2	447,563	443,755	438,034	434,015	+3.1
Manufacturing industries with unfilled orders	294,329	293,223	290,967	+0.4	+0.8	+0.2	298,497	295,086	289,639	289,535	+3.1
without defense capital goods	427,116	425,176	422,294	+0.5	+0.7	+0.2	431,170	427,428	421,927	416,863	+3.4
Durable goods industries	278,128	276,992	274,633	+0.4	+0.9	+0.2	281,495	278,435	273,848	271,624	+3.6
With unfilled orders	254,980	254,094	251,944	+0.3	+0.9	+0.2	258,516	255,478	250,616	249,030	+3.8
Stone, clay, and glass products	8,715	8,683	8,698	+0.4	-0.2	-0.2	8,952	8,910	8,887	8,666	+3.3
Primary metals	24,683	24,659	24,834	+0.1	-0.7	+0.8	24,697	24,682	24,848	24,177	+2.2
Blast furnaces, steel mills	12,241	12,184	12,248	+0.5	-0.5	+1.2	12,070	11,979	12,088	11,476	+5.2
Iron and steel foundries	1,681	1,678	1,679	+0.2	-0.1	-0.2	1,726	1,727	1,723	1,634	+5.6
Nonferrous and other primary metals	10,761	10,797	10,907	-0.3	-1.0	+0.6	10,901	10,976	11,037	11,067	-1.5
Fabricated metal products	28,260	28,228	28,101	+0.1	+0.5	+0.9	28,678	28,625	28,385	27,532	+4.2
Industrial machinery and equipment	59,652	59,387	58,612	+0.4	+1.3	0.0	60,680	59,793	58,007	60,858	-0.3
Engines and turbines	3,650	3,690	3,641	-1.1	+1.3	-1.3	3,662	3,640	3,510	3,675	-0.4
Farm and garden machinery	3,230	3,173	3,101	+1.8	+2.3	-0.3	3,133	3,192	3,296	2,951	+6.2
Construction, mining and material handling equipment	7,638	7,623	7,562	+0.2	+0.8	-0.4	7,775	7,746	7,666	7,515	+3.5
Metalworking machinery	7,454	7,481	7,389	-0.4	+1.2	+1.9	7,551	7,515	7,264	7,275	+3.8
Computer and office equipment	11,933	11,830	11,724	+0.9	+0.9	-0.3	12,434	11,878	11,040	13,896	-10.5
Electronic and other electrical equipment	39,731	39,540	39,081	+0.5	+1.2	-0.4	40,430	39,889	38,631	39,819	+1.5
Electrical transmission and distribution equipment and industrial apparatus	5,319	5,264	5,211	+1.0	+1.0	0.0	5,355	5,266	5,169	5,149	+4.0
Household appliances	2,787	2,783	2,704	+0.1	+2.9	-2.0	3,004	2,965	2,818	2,808	+7.0
Electric lighting and wiring equipment	3,379	3,346	3,298	+1.0	+1.5	0.0	3,463	3,383	3,280	3,342	+3.6
Household audio and video equipment	1,537	1,544	1,576	-0.5	-2.0	-3.9	1,568	1,530	1,511	1,762	-11.0
Communications equipment	10,536	10,405	10,347	+1.3	+0.6	+0.3	10,859	10,605	10,195	10,160	+6.9
Electronic components	12,706	12,776	12,566	-0.5	+1.7	-0.5	12,655	12,671	12,288	13,131	-3.6
Transportation equipment	65,952	65,735	64,898	+0.3	+1.3	+0.3	66,591	65,754	64,920	60,757	+9.6
Motor vehicles and parts	17,341	17,102	16,868	+1.4	+1.4	+0.4	17,273	17,081	16,918	16,368	+5.5
Aircraft, missiles, space vehicles, and parts	43,904	43,925	43,422	0.0	+1.2	+0.4	44,592	43,920	43,317	39,566	+12.7
Shipbuilding and tanks	1,580	1,687	1,720	-6.3	-1.9	0.0	1,601	1,732	1,749	1,767	-9.4
Instruments and related products	24,785	24,694	24,536	+0.4	+0.6	-0.1	25,031	24,816	24,264	24,346	+2.8
Search and navigation equipment	6,216	6,187	6,133	+0.5	+0.9	0.0	6,264	6,241	6,030	5,902	+6.1
Measuring and controlling devices	7,756	7,742	7,681	+0.2	+0.8	-0.1	7,810	7,791	7,652	7,567	+3.2
Medical instruments and supplies	7,865	7,810	7,783	+0.7	+0.3	+0.2	7,944	7,807	7,674	7,463	+6.4
Photographic goods	2,308	2,325	2,311	-0.7	+0.6	-1.4	2,361	2,342	2,280	2,790	-15.4
All other durable goods	26,350	26,066	25,873	+1.1	+0.7	+0.3	26,436	25,966	25,906	25,469	+3.8
Nondurable goods industries	165,187	164,516	163,927	+0.4	+0.4	+0.1	166,068	165,320	164,186	162,391	+2.3
With unfilled orders	39,349	39,129	39,023	+0.6	+0.3	+0.1	39,981	39,608	39,023	40,505	-1.3
Food and kindred products	34,943	34,929	34,764	0.0	+0.5	+0.2	33,685	34,233	34,431	33,271	+1.2
Meat products	3,820	3,791	3,725	+0.8	+1.8	+0.8	3,904	3,890	3,784	3,827	+2.0
Dairy products	3,243	3,235	3,193	+0.2	+1.3	+2.3	3,266	3,294	3,113	2,890	+13.0
Beverages	6,685	6,664	6,594	+0.3	+1.1	-0.9	6,678	6,693	6,603	6,566	+1.7
All other foods, except fats and oils	19,292	19,311	19,192	-0.1	+0.6	+0.1	17,961	18,389	18,734	18,039	-0.4
Tobacco products	6,252	6,241	6,154	+0.2	+1.4	-0.2	5,958	6,170	6,228	5,531	+7.7
Textile mill products	10,159	10,155	10,077	0.0	+0.8	+0.4	10,503	10,442	10,123	10,345	+1.5
Broadwoven fabrics and other textiles	6,331	6,320	6,281	+0.2	+0.6	-0.2	6,502	6,469	6,286	6,486	+0.2
Paper and allied products	16,005	15,961	16,059	+0.3	-0.6	+0.5	16,197	16,180	16,249	16,945	-4.4
Pulp, paper, and paperboard mill products	6,611	6,584	6,578	+0.4	+0.1	-0.8	6,664	6,652	6,675	7,038	-5.3
Paperboard containers and boxes	3,930	3,925	4,001	+0.1	-1.9	+2.6	3,938	3,969	4,051	4,116	-4.3
Miscellaneous converted paper products	5,464	5,452	5,480	+0.2	-0.5	+0.6	5,595	5,559	5,523	5,791	-3.4
Chemicals and allied products	42,026	42,013	41,672	0.0	+0.8	0.0	42,576	42,440	42,022	40,803	+4.3
Industrial chemicals	19,501	19,437	19,514	+0.3	-0.4	+0.3	19,481	19,395	19,587	18,834	+3.4
Drugs, soaps, and toiletries	17,435	17,466	16,949	-0.2	+3.1	-0.2	17,975	17,647	16,779	16,907	+6.3
Petroleum and coal products	12,530	12,398	12,632	+1.1	-1.9	+0.2	12,928	12,512	12,524	12,278	+5.3
Rubber and plastics products	16,236	16,037	15,940	+1.2	+0.6	+0.4	16,421	16,328	16,328	15,315	+7.2
All other nondurable goods	27,036	26,782	26,629	+0.9	+0.6	-0.2	27,800	27,015	26,281	27,903	-0.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	323,535	326,909	322,923	-1.0	+1.2	0.0	325,098	325,134	337,516	315,731	+3.0	1,597,828	1,511,642
Market categories :													
Automotive equipment	13,570	14,146	13,863	-4.1	+2.0	-1.6	14,570	15,198	14,812	15,502	-6.0	73,634	71,310
Home goods and apparel	18,798	19,234	18,604	-2.3	+3.4	-2.1	17,728	18,030	19,456	17,358	+2.1	89,471	85,124
Consumer staples	68,802	68,469	68,092	+0.5	+0.6	-0.5	68,303	66,262	68,207	66,296	+3.0	333,623	318,438
Machinery and equipment	58,305	58,645	58,058	-0.6	+1.0	+2.9	57,662	57,244	65,157	54,701	+5.4	282,630	261,046
Business supplies	25,060	25,073	24,955	-0.1	+0.5	-1.1	25,136	25,728	25,056	24,614	+2.1	123,806	119,016
Construction materials and supplies	20,671	21,045	20,437	-1.8	+3.0	-0.8	21,161	21,154	20,364	20,176	+4.9	100,052	92,609
Defense products	6,617	6,750	6,660	-2.0	+1.4	-3.5	6,431	6,415	7,011	6,241	+3.0	32,123	30,701
Other materials, supplies and and intermediate products	111,712	113,547	112,254	-1.6	+1.2	0.0	114,107	115,103	117,453	110,843	+2.9	562,489	533,398
Durable goods industries :													
Nondefense capital goods [3]	45,582	45,660	44,927	-0.2	+1.6	+3.4	43,592	42,903	51,618	40,345	+8.0	214,180	196,717
Excluding aircraft and parts	38,562	38,422	38,271	+0.4	+0.4	+2.1	36,966	35,733	44,117	34,591	+6.9	182,757	172,872
Defense capital goods [4]	6,288	6,419	6,268	-2.0	+2.4	-4.1	6,101	6,020	6,600	5,878	+3.8	30,190	28,789
Durables excluding capital goods	124,151	126,403	125,029	-1.8	+1.1	+0.1	127,460	128,864	131,056	124,527	+2.4	627,498	588,029
Miscellaneous series :													
Producers' durable equipment	112,233	113,987	112,178	-1.5	+1.6	+0.8	113,048	113,763	123,055	110,388	+2.4	559,544	524,721
Household durable goods	9,483	9,566	9,565	-0.9	0.0	+0.3	9,077	9,109	10,388	8,760	+3.6	45,383	42,343
Information technology industries	21,506	21,157	21,484	+1.6	-1.5	+2.0	19,911	18,286	25,437	18,343	+8.5	98,886	91,587
Health care equipment and products	11,032	10,977	10,794	+0.5	+1.7	-0.6	10,432	10,343	11,317	9,821	+6.2	53,115	49,214
NEW ORDERS													
All manufacturing industries	323,316	325,544	321,146	-0.7	+1.4	-1.7	323,126	325,066	336,218	316,493	+2.1	1,611,230	1,536,782
Market categories :													
Automotive equipment	13,548	14,144	13,911	-4.2	+1.7	-1.4	14,480	15,191	14,842	15,438	-6.2	73,781	71,299
Home goods and apparel	19,018	19,139	18,392	-0.6	+4.1	-2.4	18,178	18,239	19,492	17,465	+4.1	90,773	87,543
Consumer staples	68,768	68,536	68,309	+0.3	+0.3	+0.2	68,284	66,365	68,339	66,379	+2.9	333,549	318,447
Machinery and equipment	56,866	57,288	57,534	-0.7	-0.4	-2.8	56,354	56,361	63,780	56,964	-1.1	286,536	276,962
Business supplies	25,129	25,183	25,172	-0.2	0.0	+0.6	25,419	25,945	25,298	24,824	+2.4	124,346	119,381
Construction materials and supplies	20,732	21,342	20,421	-2.9	+4.5	-0.4	21,242	21,498	20,371	20,161	+5.4	100,983	93,154
Defense products	5,892	6,683	5,245	-11.8	+27.4	-13.6	4,469	5,965	7,956	5,282	-15.4	29,749	35,293
Other materials, supplies and and intermediate products	113,363	113,229	112,162	+0.1	+1.0	-2.1	114,700	115,502	116,140	109,980	+4.3	571,513	534,703
Durable goods industries :													
Nondefense capital goods [3]	43,918	43,751	44,505	+0.4	-1.7	-3.8	41,905	41,104	50,171	42,502	-1.4	216,248	212,068
Excluding aircraft and parts	38,686	38,570	39,157	+0.3	-1.5	-1.7	37,067	35,991	43,978	34,208	+8.4	187,374	175,605
Defense capital goods [4]	5,457	6,271	4,920	-13.0	+27.5	-14.7	3,949	5,554	7,660	4,808	-17.9	28,080	33,515
Durables excluding capital goods	126,485	127,090	124,519	-0.5	+2.1	-1.8	129,223	130,608	129,077	123,933	+4.3	639,429	591,545
Miscellaneous series :													
Producers' durable equipment	110,693	112,980	112,078	-2.0	+0.8	-2.1	111,694	113,215	121,538	112,624	-0.8	565,791	540,672
Household durable goods	9,712	9,604	9,484	+1.1	+1.3	-1.7	9,495	9,266	10,316	8,858	+7.2	46,471	43,608
Information technology industries	21,736	20,976	21,742	+3.6	-3.5	-3.7	20,519	18,346	25,450	17,886	+14.7	101,594	92,416
Health care equipment and products	11,095	11,296	10,678	-1.8	+5.8	-1.6	10,550	10,689	10,811	10,018	+5.3	53,708	49,332

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and set industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96
UNFILLED ORDERS											
All manufacturing industries	521,995	522,214	523,579	0.0	-0.3	-0.3	525,621	527,593	527,661	502,174	+4.7
Market categories :											
Automotive equipment	2,379	2,402	2,404	-1.0	-0.1	+2.0	2,352	2,441	2,447	2,225	+5.7
Home goods and apparel	8,226	8,006	8,102	+2.7	-1.2	-2.5	8,809	8,359	8,150	9,921	-11.2
Consumer staples	2,193	2,227	2,160	-1.5	+3.1	+11.2	2,083	2,103	2,000	1,889	+10.3
Machinery and equipment	231,834	233,273	234,631	-0.6	-0.6	-0.2	232,478	233,786	234,669	224,247	+3.7
Business supplies	6,919	6,850	6,740	+1.0	+1.6	+3.3	7,151	6,867	6,650	6,705	+6.7
Construction materials and supplies	16,862	16,801	16,504	+0.4	+1.8	-0.1	17,059	16,978	16,633	15,989	+6.7
Defense products	103,594	104,319	104,386	-0.7	-0.1	-1.3	104,732	106,694	107,145	104,281	+0.4
Other materials, supplies and and intermediate products	149,988	148,336	148,652	+1.1	-0.2	-0.1	150,957	150,365	149,967	136,917	+10.3
Durable goods industries :											
Nondefense capital goods [3]	251,472	253,136	255,045	-0.7	-0.7	-0.2	251,591	253,278	255,077	241,704	+4.1
Excluding aircraft and parts	98,273	98,149	98,001	+0.1	+0.2	+0.9	98,392	98,291	98,033	96,382	+2.1
Defense capital goods [4]	108,379	109,210	109,358	-0.8	-0.1	-1.2	109,568	111,720	112,186	109,028	+0.5
Durables excluding capital goods	136,659	134,325	133,638	+1.7	+0.5	-0.4	138,304	136,541	134,797	126,874	+9.0
Miscellaneous series :											
Producers' durable equipment	268,659	270,199	271,206	-0.6	-0.4	0.0	269,257	270,611	271,159	260,280	+3.4
Household durable goods	5,622	5,393	5,355	+4.2	+0.7	-1.5	5,888	5,470	5,313	6,225	-5.4
Information technology industries	37,664	37,434	37,615	+0.6	-0.5	+0.7	37,798	37,190	37,130	37,337	+1.2
Health care equipment and products	8,121	8,058	7,739	+0.8	+4.1	-1.5	8,049	7,931	7,585	7,463	+7.9
TOTAL INVENTORIES											
All manufacturing industries	443,315	441,508	438,560	+0.4	+0.7	+0.2	447,563	443,755	438,034	434,015	+3.1
Market categories :											
Automotive equipment	8,449	8,319	8,182	+1.6	+1.7	+0.3	8,510	8,386	8,295	8,218	+3.6
Home goods and apparel	31,864	31,693	31,471	+0.5	+0.7	0.0	33,062	32,168	31,341	32,487	+1.8
Consumer staples	68,756	68,613	67,888	+0.2	+1.1	+0.1	68,237	68,195	67,338	65,983	+3.4
Machinery and equipment	111,099	110,570	109,186	+0.5	+1.3	+0.3	113,120	111,366	108,483	106,701	+6.0
Business supplies	26,451	26,263	26,290	+0.7	-0.1	+0.3	26,823	26,585	26,362	26,335	+1.9
Construction materials and supplies	27,284	27,092	26,954	+0.7	+0.5	+0.1	27,597	27,408	27,290	26,681	+3.4
Defense products	15,933	16,062	15,944	-0.8	+0.7	-1.5	16,099	16,060	15,810	16,664	-3.4
Other materials, supplies and and intermediate products	153,479	152,896	152,645	+0.4	+0.2	+0.3	154,115	153,587	153,115	150,946	+2.1
Durable goods industries :											
Nondefense capital goods [3]	104,983	104,545	103,297	+0.4	+1.2	+0.3	107,094	105,281	102,293	100,793	+6.3
Excluding aircraft and parts	71,098	70,732	69,949	+0.5	+1.1	-0.1	72,709	71,448	68,940	72,552	+0.2
Defense capital goods [4]	16,199	16,332	16,266	-0.8	+0.4	-1.6	16,393	16,327	16,107	17,152	-4.4
Durables excluding capital goods	156,946	156,115	155,070	+0.5	+0.7	+0.3	158,008	156,827	155,448	153,679	+2.8
Miscellaneous series :											
Producers' durable equipment	180,514	179,428	177,252	+0.6	+1.2	+0.3	183,245	180,656	176,508	174,273	+5.1
Household durable goods	15,950	15,871	15,743	+0.5	+0.8	-0.3	16,406	16,037	15,719	15,862	+3.4
Information technology industries	34,547	34,308	34,081	+0.7	+0.7	-0.1	35,495	34,676	33,174	36,434	-2.6
Health care equipment and products	17,326	17,282	16,980	+0.3	+1.8	0.0	17,695	17,377	16,783	16,634	+6.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1997[p]	Apr. 1997[r]	Mar. 1997	May 1996	May 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	146,468	146,133	146,139	+0.2	0.0	+0.6	146,089	145,690	145,262	146,226	-0.1
Durable goods industries	85,413	85,066	84,982	+0.4	+0.1	+1.0	84,987	84,274	83,870	84,989	0.0
Stone, clay, and glass products	2,895	2,917	2,887	-0.8	+1.0	-0.4	2,892	2,889	2,856	2,831	+2.2
Primary metals	7,904	7,946	7,962	-0.5	-0.2	+0.5	7,719	7,714	7,731	7,447	+3.7
Fabricated metal products	10,283	10,430	10,482	-1.4	-0.5	+1.1	10,235	10,395	10,452	10,160	+0.7
Industrial machinery and equipment	17,992	17,805	18,070	+1.1	-1.5	+1.5	18,146	17,609	17,648	19,365	-6.3
Electronic and other electrical equipment	13,747	13,651	13,567	+0.7	+0.6	+2.8	13,746	13,693	13,420	14,016	-1.9
Transportation equipment	14,189	14,181	14,038	+0.1	+1.0	0.0	14,233	14,242	14,040	13,839	+2.8
Instruments and related products	8,182	8,091	8,060	+1.1	+0.4	+0.6	8,234	8,106	8,013	7,823	+5.3
Lumber, furniture and miscellaneous durable goods	10,221	10,045	9,916	+1.8	+1.3	0.0	9,782	9,626	9,710	9,508	+2.9
Nondurable goods industries	61,055	61,067	61,157	0.0	-0.1	-0.1	61,102	61,416	61,392	61,237	-0.2
Food and kindred products	11,195	11,256	11,355	-0.5	-0.9	-0.9	10,981	11,274	11,481	11,437	-4.0
Tobacco products	5,229	5,230	5,135	0.0	+1.9	+0.5	5,129	5,305	5,296	4,774	+7.4
Textile mill products	3,148	3,208	3,226	-1.9	-0.6	+1.9	3,238	3,275	3,253	3,030	+6.9
Paper and allied products	7,856	7,870	7,907	-0.2	-0.5	+0.1	7,845	7,895	7,935	8,266	-5.1
Chemicals and allied products	14,103	14,148	14,119	-0.3	+0.2	+0.1	14,224	14,180	14,060	13,818	+2.9
Petroleum and coal products	3,672	3,610	3,737	+1.7	-3.4	+0.1	3,754	3,705	3,758	3,503	+7.2
Rubber and plastics products	6,260	6,217	6,186	+0.7	+0.5	-0.2	6,268	6,257	6,214	6,058	+3.5
Apparel, printing and publishing and leather goods	9,592	9,528	9,492	+0.7	+0.4	-0.3	9,663	9,525	9,395	10,351	-6.6
WORK IN PROCESS											
All manufacturing industries	140,676	139,918	138,856	+0.5	+0.8	+0.3	141,684	140,007	138,359	134,775	+5.1
Durable goods industries	112,847	112,555	111,780	+0.3	+0.7	+0.3	114,020	112,832	111,491	108,736	+4.9
Stone, clay, and glass products	1,264	1,251	1,272	+1.0	-1.7	-1.1	1,321	1,314	1,358	1,290	+2.4
Primary metals	8,796	8,778	8,809	+0.2	-0.4	+0.3	8,846	8,829	8,878	8,834	+0.1
Fabricated metal products	8,015	7,898	7,805	+1.5	+1.2	+0.1	8,098	7,927	7,805	7,869	+2.9
Industrial machinery and equipment	22,699	22,906	22,487	-0.9	+1.9	+0.9	23,051	23,042	22,256	22,962	+0.4
Electronic and other electrical equipment	14,711	14,649	14,686	+0.4	-0.3	-1.0	14,916	14,708	14,673	14,973	-0.4
Transportation equipment	42,320	42,087	41,714	+0.6	+0.9	+0.8	42,621	41,891	41,595	37,673	+13.1
Instruments and related products	10,001	10,007	9,977	-0.1	+0.3	-0.8	10,074	10,115	9,880	9,955	+1.2
Lumber, furniture and miscellaneous durable goods	5,041	4,979	5,030	+1.2	-1.0	+0.4	5,093	5,006	5,046	5,180	-1.7
Nondurable goods industries	27,829	27,363	27,076	+1.7	+1.1	+0.2	27,664	27,175	26,868	26,039	+6.2
Food and kindred products	5,089	4,950	4,919	+2.8	+0.6	-1.7	4,645	4,675	4,830	4,367	+6.4
Tobacco products	224	217	239	+3.2	-9.2	+5.3	163	164	206	163	0.0
Textile mill products	2,582	2,542	2,490	+1.6	+2.1	-1.0	2,617	2,572	2,494	2,650	-1.2
Paper and allied products	1,692	1,676	1,685	+1.0	-0.5	0.0	1,723	1,696	1,689	1,701	+1.3
Chemicals and allied products	7,427	7,331	7,095	+1.3	+3.3	+2.1	7,558	7,311	7,037	6,783	+11.4
Petroleum and coal products	2,744	2,775	2,811	-1.1	-1.3	-0.7	2,825	2,812	2,807	2,713	+4.1
Rubber and plastics products	2,253	2,174	2,166	+3.6	+0.4	+1.9	2,258	2,155	2,172	2,025	+11.5
Apparel, printing and publishing and leather goods	5,818	5,698	5,671	+2.1	+0.5	-0.4	5,875	5,790	5,633	5,637	+4.2
FINISHED GOODS											
All manufacturing industries	156,171	155,457	153,565	+0.5	+1.2	-0.4	159,790	158,058	154,413	153,014	+4.4
Durable goods industries	79,868	79,371	77,871	+0.6	+1.9	-1.0	82,488	81,329	78,487	77,899	+5.9
Stone, clay, and glass products	4,556	4,515	4,539	+0.9	-0.5	+0.1	4,739	4,707	4,673	4,545	+4.3
Primary metals	7,983	7,935	8,063	+0.6	-1.6	+1.7	8,132	8,139	8,239	7,896	+3.0
Fabricated metal products	9,962	9,900	9,814	+0.6	+0.9	+1.4	10,345	10,303	10,128	9,503	+8.9
Industrial machinery and equipment	18,961	18,676	18,055	+1.5	+3.4	-2.7	19,483	19,142	18,103	18,531	+5.1
Electronic and other electrical equipment	11,273	11,240	10,828	+0.3	+3.8	-3.5	11,768	11,488	10,538	10,830	+8.7
Transportation equipment	9,443	9,467	9,146	-0.3	+3.5	-2.0	9,737	9,621	9,285	9,245	+5.3
Instruments and related products	6,602	6,596	6,499	+0.1	+1.5	0.0	6,723	6,595	6,371	6,568	+2.4
Lumber, furniture and miscellaneous durable goods	11,088	11,042	10,927	+0.4	+1.1	+0.5	11,561	11,334	11,150	10,781	+7.2
Nondurable goods industries	76,303	76,086	75,694	+0.3	+0.5	+0.3	77,302	76,729	75,926	75,115	+2.9
Food and kindred products	18,659	18,723	18,490	-0.3	+1.3	+1.4	18,059	18,284	18,120	17,467	+3.4
Tobacco products	799	794	780	+0.6	+1.8	-5.9	666	701	726	594	+12.1
Textile mill products	4,429	4,405	4,361	+0.5	+1.0	+0.2	4,648	4,595	4,376	4,665	-0.4
Paper and allied products	6,457	6,415	6,467	+0.7	-0.8	+1.1	6,629	6,589	6,625	6,978	-5.0
Chemicals and allied products	20,496	20,534	20,458	-0.2	+0.4	-0.7	20,794	20,949	20,925	20,202	+2.9
Petroleum and coal products	6,114	6,013	6,084	+1.7	-1.2	+0.7	6,349	5,995	5,959	6,062	+4.7
Rubber and plastics products	7,723	7,646	7,588	+1.0	+0.8	+0.4	7,895	7,916	7,942	7,232	+9.2
Apparel, printing and publishing and leather goods	11,626	11,556	11,466	+0.6	+0.8	-0.1	12,262	11,700	11,253	11,915	+2.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1997[p]	Apr. 1997[r]	Mar. 1997	Feb. 1997	May 1997[p]	Apr. 1997[r]	Mar. 1997	Feb. 1997
All manufacturing industries	1.37	1.35	1.36	1.36	2.89	2.86	2.90	2.93
rable goods industries	1.58	1.55	1.56	1.57	3.43	3.40	3.44	3.49
tone, clay, and glass products	1.15	1.14	1.16	1.15	0.95	0.95	0.95	0.93
rimary metals	1.63	1.60	1.63	1.61	2.04	1.97	1.97	1.94
abricated metal products	1.52	1.49	1.52	1.49	1.45	1.43	1.45	1.43
ndustrial machinery and equipment	1.80	1.78	1.79	1.82	2.39	2.37	2.40	2.43
lectronic and other electrical equipment	1.39	1.39	1.33	1.38	1.88	1.82	1.78	1.87
ransportation equipment	1.61	1.55	1.58	1.58	11.28	11.08	11.72	11.92
nstruments and related products	1.95	1.91	1.91	1.90	3.69	3.65	3.65	3.63
ndurable goods industries	1.12	1.11	1.12	1.11	0.70	0.71	0.71	0.69
ood and kindred products	0.87	0.87	0.87	0.87	(X)	(X)	(X)	(X)
obacco products	1.96	2.04	1.99	2.06	(X)	(X)	(X)	(X)
extile mill products	1.49	1.48	1.48	1.47	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.20	1.18	1.22	1.20	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.28	1.27	1.30	1.28	(X)	(X)	(X)	(X)
etroleum and coal products	0.85	0.83	0.83	0.80	(X)	(X)	(X)	(X)
ubber and plastics products	1.32	1.26	1.30	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1997	May[2] 1992-1996	May 1996-Apr. 1997	May[1] 1997	May[2] 1992-1996	May 1996-Apr. 1997	May[1] 1997	May[2] 1992-1996	May 1996-Apr. 1997	May[1] 1997	May[2] 1992-1996	May 1996-Apr. 1997
ll manufacturing industries	(X)	0.1	0.1	(X)	0.5	0.2	(X)	0.1	0.1	(X)	0.1	0.0
able goods industries	-0.2	0.2	0.2	-0.1	0.9	0.4	0.0	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.8	0.5	(X)	1.1	0.9	(X)	0.5	0.6	(X)	0.1	0.2
imary metals	0.0	0.3	0.3	0.5	1.0	0.8	0.3	0.4	0.4	(X)	0.1	0.0
bricated metal products	(X)	0.5	0.3	(X)	0.9	0.6	(X)	0.3	0.4	(X)	0.4	0.1
dustrial machinery and equipment	-0.6	0.6	0.5	-0.5	0.7	0.5	0.1	0.1	0.1	(X)	0.2	0.1
ectronic and other electrical equipment	0.2	0.4	0.5	-0.4	0.5	1.0	-0.4	0.1	0.5	(X)	0.1	0.2
ansportation equipment	0.1	0.6	0.4	0.3	3.3	1.1	0.0	0.2	0.2	(X)	0.2	0.1
struments and related products	(X)	1.3	0.4	(X)	1.0	1.0	(X)	0.2	0.3	(X)	0.1	0.2
durable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.5	0.2	(X)	0.2	0.1
od and kindred products	(X)	0.7	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.2
bacco products	(X)	5.6	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.0
xtile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.2
per and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
troleum and coal products	(X)	0.7	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4
bber and plastics products	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
ital goods industries :												
ondefense	-0.3	0.7	0.4	-0.3	2.1	0.6	0.0	0.1	0.1	(X)	0.1	0.1
efense	0.1	1.8	0.6	-0.2	11.7	4.6	-0.1	0.4	0.3	(X)	0.5	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

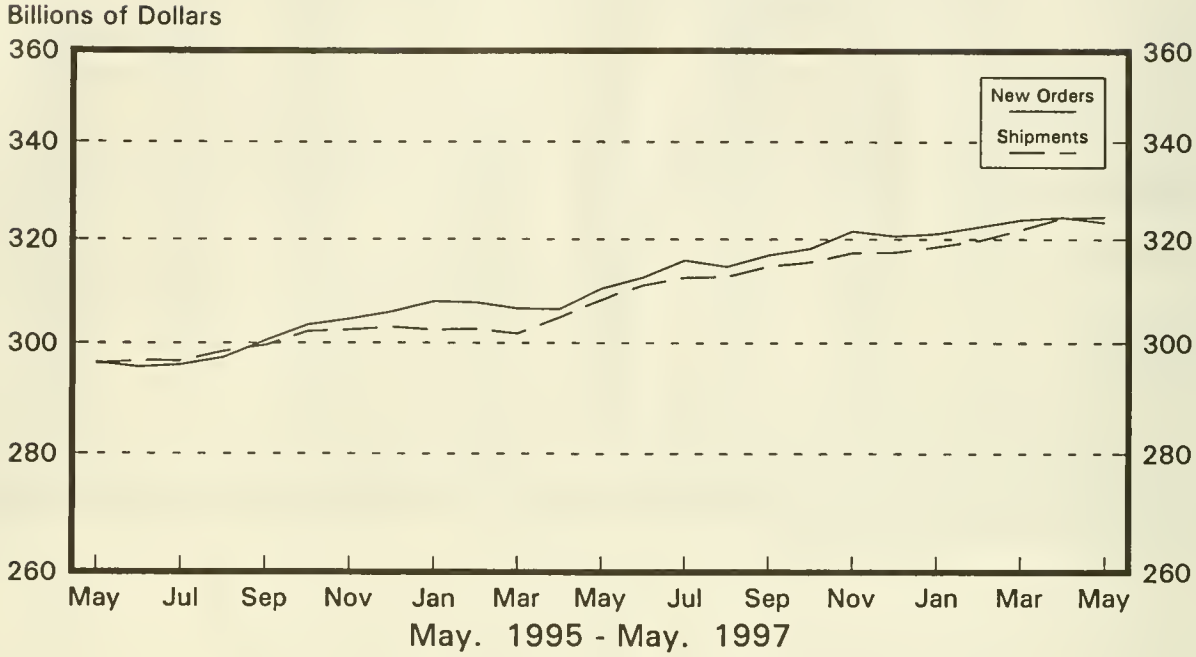
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

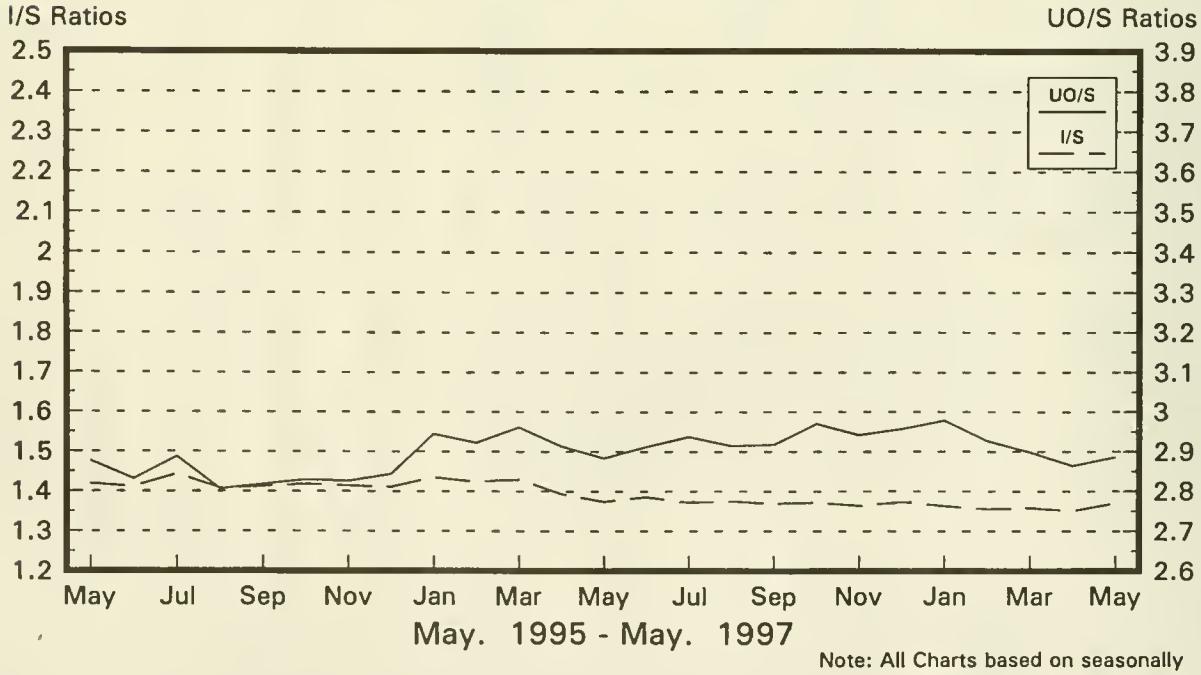
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

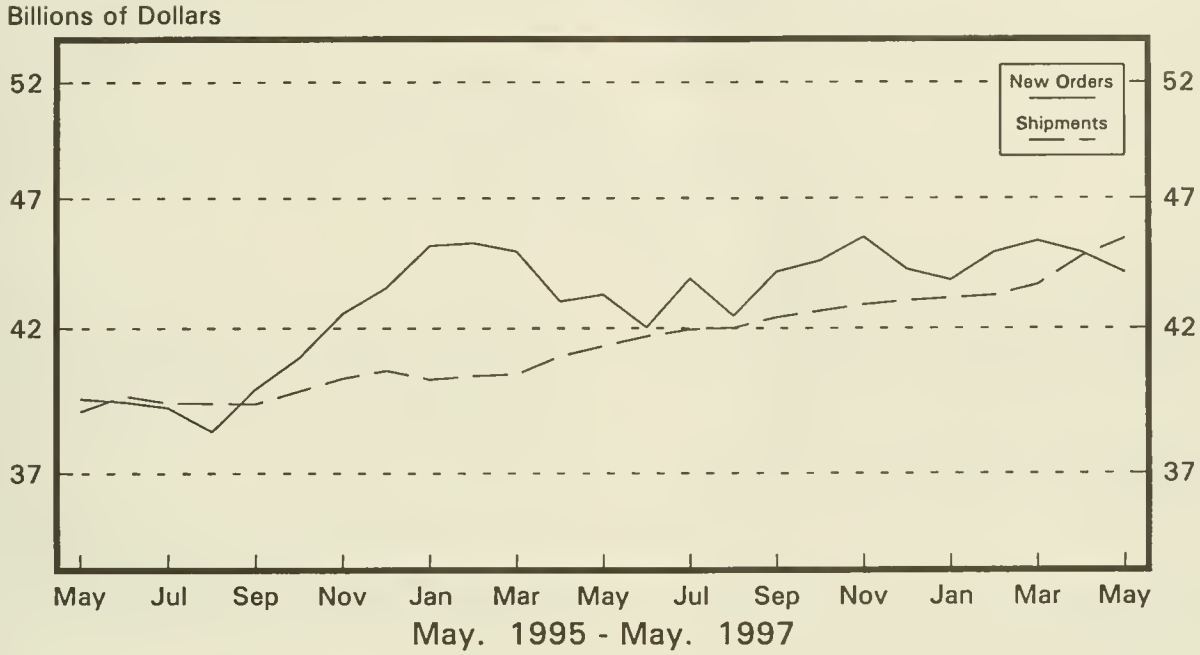
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

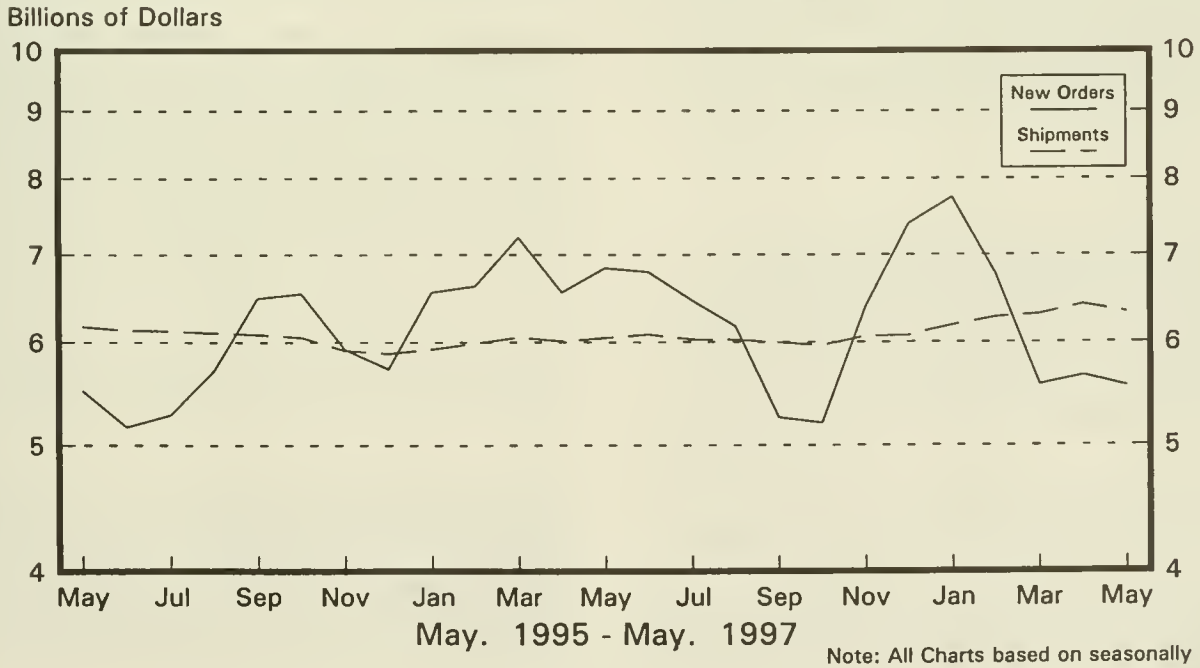
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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June 1997
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Summary

New orders for manufactured goods in June increased $3.8 billion or 1.2 percent to $327.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.5 percent May decrease and is the second increase in the last three months. Excluding transportation, new orders increased 0.3 percent, following a 0.4 percent May decrease. Year to date, new orders are 5.0 percent above the same period a year ago; new orders for the second quarter are 0.6 percent above the first quarter.

Shipments, up two of the last three months, increased $2.9 billion or 0.9 percent to $326.4 billion, following a 1.0 percent May decrease. Year to date, shipments are 5.7 percent above the same period a year ago; shipments for the second quarter are 1.2 percent above the first quarter.

Unfilled orders, up for the second consecutive month, increased $1.4 billion or 0.3 percent to $524.1 billion, following a 0.1 percent May increase. The unfilled orders-to-shipments ratio was 2.86, down from 2.89 in May.

Inventories, up eleven of the last twelve months, increased $1.3 billion or 0.3 percent to $444.8 billion, following a 0.4 percent May increase. The inventories-to-shipments ratio was 1.36, down from 1.37 in May.

New Orders

New orders for manufactured durable goods in June increased $4.3 billion or 2.4 percent to $180.7 billion, revised from the previously published 2.3 percent increase. This is the second increase in the last three months and follows a 0.4 percent May decline.

Transportation equipment, up two of the last three months, had the largest increase, $3.1 billion or 7.9 percent to $42.5 billion, due to aircraft and parts and motor vehicles and parts. This follows a 0.7 percent May decrease. Instruments and related products increased $0.7 billion or 5.4 percent to $13.1 billion. This follows a 6.3 percent May decrease and is the second increase in the last three months. Fabricated metal products, up two of the last three months, increased $0.3 billion or 1.7 percent to $19.0 billion. This follows a 3.2 percent May decrease. Stone, clay, and glass products, up six of the last seven months, increased $0.2 billion or 2.7 percent to $7.7 billion, following a 2.1 percent May decline. Industrial machinery and equipment, down three of the last four months, decreased $0.3 billion or 0.9 percent to $32.5 billion. This follows a 3.3 percent May decrease.

New orders for nondurable goods, down four of the last five months, decreased $0.5 billion or 0.3 percent to $147.1 billion, following a 0.6 percent May decrease. Textile mill products and food and kindred products had the largest declines. Paper and allied products had the largest increase.

Shipments

Shipments of durable goods in June, up five of the last six months, increased $3.5 billion or 2.0 percent to $179.4 billion, revised from the previously published 1.8 percent increase. Transportation equipment, up five of the last six months, had the largest increase, $1.0 billion or 2.5 percent to $42.1 billion, due to motor vehicles and parts and railroad and other transportation equipment. This follows a 3.0 percent May decrease. Electronic and other electrical equipment, up four of the last five months, increased $0.9 billion or 3.3 percent to $29.7 billion. This follows a 0.8 percent May increase. Industrial machinery and equipment, up four of the last five months, increased $0.7 billion or 2.0 percent to $33.7 billion, following a 0.8 percent May decrease. Instruments and related products, up two of the last three months, increased $0.3 billion or 2.3 percent to $12.9 billion. This follows a 2.3 percent May decline. Fabricated metal products, also up two of the last three months, increased $0.3 billion or 1.4 percent to $18.8 billion, following a 2.3 percent May decline. Primary metals, up two of the last three months, increased $0.2 billion or 1.6 percent to $15.4 billion, following a 1.7 percent May decrease.

Shipments of nondurable goods, down four of the last five months, decreased $0.7 billion or 0.5 percent to $147.0 billion. This follows a 0.5 percent May decrease. Food and kindred products and petroleum and coal products had the largest declines.

Unfilled Orders

Unfilled orders for durable goods in June increased $1.3 billion or 0.3 percent to $498.5 billion, unrevised from the previously published 0.3 percent increase. This follows a 0.1 percent May increase.

Electronic and other electrical equipment had the largest increase, $1.2 billion or 2.3 percent to $55.2 billion, following a 4.1 percent May increase. Transportation equipment increased $0.5 billion or 0.2 percent to $251.8 billion; a large increase in aircraft and parts more than offset a decline in railroad and other transportation equipment. This follows a 0.6 percent May decrease. Stone, clay, and glass products increased $0.2 billion or 2.9 percent to $7.0 billion. This follows a 0.7 percent May decline and is the third increase in the last four months. Fabricated metal products, up for the eighteenth consecutive month, increased $0.2 billion or 0.8 percent to $25.8 billion. This follows a 0.5 percent May increase. Instruments and related products, up seven of the last eight months, increased $0.2 billion or 0.4 percent to $47.2 billion. This follows a 0.4 percent May decline. Primary metals, up for the sixth consecutive month, increased $0.2 billion or 0.5 percent to $31.0 billion, following a 1.1 percent May increase. Industrial machinery and equipment, down for the second consecutive month, decreased $1.2 billion or 1.7 percent to $72.7 billion, following a 0.4 percent May decrease.

Inventories

Inventories of durable goods in June, up eleven of the last twelve months, increased $0.7 billion or 0.2 percent to $278.8 billion. This follows a 0.4 percent May increase. Fabricated metal products had the largest increase, $0.3 billion or 0.9 percent to $28.6 billion. This follows a 0.2 percent May increase and is the eleventh increase in the last twelve months. Transportation equipment, up for the eighteenth consecutive month, increased $0.2 billion or 0.4 percent to $66.3 billion. This follows a 0.6 percent May increase. Instruments and related products, up two of the last three months, increased $0.1 billion or 0.5 percent to $24.8 billion. Industrial machinery and equipment, down for the first month since March, decreased $0.1 billion or 0.2 percent to $59.5 billion. This follows a 0.4 percent May increase.

Inventories of nondurable goods, up ten of the last eleven months, increased $0.6 billion or 0.4 percent to $166.0 billion, following a 0.5 percent May increase. Chemical and allied products, food and kindred products, and apparel and related products had the largest increases.

By stage of fabrication, June finished goods increased 0.3 percent in durables and 0.9 percent in nondurables. Work in progress decreased slightly in durables and 0.2 percent in nondurables. Materials and supplies increased 0.5 percent in durables and increased slightly in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for July is scheduled for August 26, 1997 at 8:30 a.m. and the full report on September 4, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1997[p]	May 1997[r]	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	June 97/96	1997[p]	1996
All manufacturing industries	326,427	323,567	326,909	+0.9	-1.0	+1.2	349,016	325,261	325,134	331,597	+5.3	1,947,007	1,843,239
Manufacturing Industries													
with unfilled orders	183,197	180,612	182,347	+1.4	-1.0	+0.9	199,202	178,624	178,540	186,701	+6.7	1,080,967	1,017,339
without defense capital goods	319,726	317,251	320,490	+0.8	-1.0	+1.2	341,729	319,167	319,114	324,867	+5.2	1,909,537	1,807,720
Durable goods industries	179,448	175,900	178,482	+2.0	-1.4	+1.3	196,453	176,839	177,787	182,994	+7.4	1,068,007	996,529
With unfilled orders	147,163	144,587	146,177	+1.8	-1.1	+1.1	162,123	143,372	143,082	149,669	+8.3	868,324	806,248
Stone, clay, and glass products	7,518	7,556	7,614	-0.5	-0.8	+1.5	8,233	7,807	7,800	7,640	+7.8	44,353	40,233
Primary metals	15,402	15,166	15,425	+1.6	-1.7	+1.4	16,242	15,655	16,000	14,891	+9.1	93,732	88,222
Blast furnaces, steel mills	6,289	6,081	6,238	+3.4	-2.5	+0.3	6,572	6,241	6,462	6,269	+4.8	38,237	36,743
Iron and steel foundries	1,442	1,422	1,472	+1.4	-3.4	+4.8	1,569	1,525	1,574	1,512	+3.8	8,954	8,414
Nonferrous and other primary metals	7,671	7,663	7,715	+0.1	-0.7	+1.7	8,101	7,889	7,964	7,110	+13.9	46,541	43,065
Fabricated metal products	18,822	18,567	19,003	+1.4	-2.3	+2.6	20,060	18,923	19,268	19,163	+4.7	112,982	107,078
Industrial machinery and equipment	33,715	33,053	33,323	+2.0	-0.8	+1.9	38,775	32,427	32,264	36,489	+6.3	200,603	190,152
Engines and turbines	1,882	1,889	1,903	-0.4	-0.7	+4.9	2,209	1,797	1,785	2,239	-1.3	11,077	11,140
Farm and garden machinery	2,009	1,978	2,031	+1.6	-2.6	+4.2	2,033	2,344	2,691	1,868	+8.8	13,641	12,737
Construction, mining and material handling equipment	3,742	3,714	3,865	+0.8	-3.9	+3.7	4,038	3,803	3,994	3,730	+8.3	23,056	21,060
Metalworking machinery	3,551	3,439	3,340	+3.3	+3.0	+1.5	3,984	3,390	3,152	3,340	+19.3	19,713	17,619
Computer and office equipment	8,858	8,809	8,670	+0.6	+1.6	-2.0	11,462	7,641	6,678	10,886	+5.3	51,491	48,746
Electronic and other electrical equipment	29,657	28,716	28,485	+3.3	+0.8	-3.4	32,457	27,779	26,632	29,242	+11.0	169,110	155,858
Electrical transmission and distribution equipment and industrial apparatus	3,258	3,240	3,327	+0.6	-2.6	+5.2	3,664	3,179	3,309	3,571	+2.6	19,603	18,788
Household appliances	2,078	1,944	1,989	+6.9	-2.3	-1.6	2,404	1,968	1,994	2,251	+6.8	12,119	11,778
Electric lighting and wiring equipment	2,080	2,116	2,144	-1.7	-1.3	+4.3	2,159	2,116	2,065	2,096	+3.0	12,538	11,841
Household audio and video equipment	1,406	1,353	1,303	+3.9	+3.8	-0.5	1,281	1,132	1,044	1,119	+14.5	6,902	6,326
Communications equipment	6,509	6,344	6,023	+2.6	+5.3	-3.5	7,526	5,877	5,329	6,688	+12.5	35,315	31,167
Electronic components	12,136	11,601	11,475	+4.6	+1.1	-8.6	13,095	11,415	10,814	11,203	+16.9	69,966	63,316
Transportation equipment	42,064	41,056	42,346	+2.5	-3.0	+3.3	45,590	42,738	44,282	42,733	+6.7	257,619	239,839
Motor vehicles and parts	28,667	27,813	28,971	+3.1	-4.0	+2.9	30,592	29,912	31,126	30,094	+1.7	181,469	174,239
Aircraft, missiles, space vehicles, and parts	10,463	10,513	10,751	-0.5	-2.2	+5.6	11,865	10,023	10,436	9,492	+25.0	59,808	48,548
Shipbuilding and tanks	933	1,001	915	-6.8	+9.4	+5.1	1,039	1,025	891	1,114	-6.7	5,343	5,505
Instruments and related products	12,930	12,640	12,942	+2.3	-2.3	+0.7	14,216	12,505	12,407	13,367	+6.4	76,608	72,052
Search and navigation equipment	2,687	2,579	2,644	+4.2	-2.5	+3.1	2,933	2,515	2,539	2,594	+13.1	15,576	14,473
Measuring and controlling devices	3,812	3,759	3,843	+1.4	-2.2	+3.0	4,075	3,755	3,691	3,916	+4.1	22,664	21,727
Medical instruments and supplies	4,111	4,014	4,030	+2.4	-0.4	-2.1	4,543	3,885	3,797	4,302	+5.6	24,310	22,818
Photographic goods	1,876	1,863	1,989	+0.7	-6.3	-1.3	2,169	1,912	1,926	2,163	+0.3	11,419	10,908
All other durable goods	19,340	19,146	19,344	+1.0	-1.0	+2.1	20,880	19,005	19,134	19,469	+7.2	113,000	103,095
Nondurable goods industries	146,979	147,667	148,427	-0.5	-0.5	+1.2	152,563	148,422	147,347	148,603	+2.7	879,000	846,710
With unfilled orders	36,034	36,025	36,170	0.0	-0.4	+0.4	37,079	35,252	35,458	37,032	+0.1	212,643	211,091
Food and kindred products	39,977	40,251	40,150	-0.7	+0.3	0.0	40,715	40,437	38,970	39,506	+3.1	236,252	229,337
Meat products	8,877	8,911	8,878	-0.4	+0.4	-1.3	9,037	9,115	8,606	8,935	+1.1	52,385	51,316
Dairy products	5,054	5,112	4,895	-1.1	+4.4	-3.2	5,185	5,181	4,745	5,038	+2.9	29,921	28,582
Beverages	5,773	5,828	5,836	-0.9	-0.1	-0.6	6,587	6,319	5,865	6,454	+2.1	34,626	33,793
All other foods, except fats and oils	18,356	18,427	18,398	-0.4	+0.2	+1.2	17,989	17,849	17,611	17,217	+4.5	107,175	104,344
Tobacco products	3,187	3,194	3,065	-0.2	+4.2	-0.9	3,219	3,346	2,913	2,870	+12.2	18,658	16,651
Textile mill products	6,644	6,771	6,866	-1.9	-1.4	+0.7	7,405	6,856	6,574	7,580	-2.3	40,530	38,785
Broadwoven fabrics and other textiles	4,061	4,136	4,216	-1.8	-1.9	-0.7	4,427	4,267	4,091	4,599	-3.7	25,235	24,445
Paper and allied products	13,150	13,208	13,533	-0.4	-2.4	+3.1	13,732	13,191	13,310	14,027	-2.1	79,587	81,967
Pulp, paper, and paperboard mill products	5,100	5,171	5,399	-1.4	-4.2	+0.7	5,340	5,171	5,313	5,702	-6.3	31,447	33,422
Paperboard containers and boxes	3,212	3,212	3,233	0.0	-0.6	+1.3	3,302	3,261	3,268	3,311	-0.3	19,572	20,117
Miscellaneous converted paper products	4,838	4,825	4,901	+0.3	-1.6	+7.2	5,090	4,759	4,729	5,014	+1.5	28,568	28,428
Chemicals and allied products	32,802	32,945	32,975	-0.4	-0.1	+2.5	34,521	33,507	34,258	32,468	+6.3	199,048	186,072
Industrial chemicals	15,813	15,888	16,070	-0.5	-1.1	+0.6	16,698	16,191	16,612	15,984	+4.5	97,401	91,955
Drugs, soaps, and toiletries	12,919	12,932	12,777	-0.1	+1.2	+4.1	13,152	12,028	12,011	12,035	+9.3	74,431	68,425
Petroleum and coal products	14,919	15,104	14,941	-1.2	+1.1	-1.6	15,668	15,812	14,977	15,382	+1.9	90,501	84,757
Rubber and plastics products	12,229	12,171	12,688	+0.5	-4.1	+3.4	13,123	12,687	13,122	12,958	+1.3	75,531	73,258
All other nondurable goods	24,071	24,023	24,209	+0.2	-0.8	+1.4	24,180	22,586	23,223	23,812	+1.5	138,893	135,883

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1997[p]	May 1997[r]	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	June 97/96	1997[p]	1996
All manufacturing industries	327,857	324,042	325,544	+1.2	-0.5	+1.4	346,213	323,870	325,066	331,043	+4.6	1,958,187	1,867,825
Manufacturing industries with unfilled orders	184,627	181,087	180,982	+2.0	+0.1	+1.2	196,399	177,233	178,472	186,147	+5.5	1,092,147	1,041,925
without defense capital goods	321,596	318,519	319,273	+1.0	-0.2	+1.0	339,924	319,928	319,512	322,601	+5.4	1,923,825	1,825,868
Durable goods industries	180,711	176,443	177,112	+2.4	-0.4	+1.8	193,399	175,342	177,266	182,129	+6.2	1,077,421	1,019,257
With unfilled orders	148,426	145,130	144,807	+2.3	+0.2	+1.7	159,069	141,875	142,561	148,804	+6.9	877,738	828,976
Stone, clay, and glass products	7,712	7,507	7,671	+2.7	-2.1	+1.1	8,254	7,726	7,892	7,360	+12.1	44,676	40,193
Primary metals	15,557	15,516	15,904	+0.3	-2.4	+2.4	15,751	15,544	16,282	15,049	+4.7	96,356	90,119
Blast furnaces, steel mills	6,447	6,235	6,512	+3.4	-4.3	+6.7	6,433	6,244	6,708	6,071	+6.0	39,394	37,661
Iron and steel foundries	1,452	1,505	1,522	-3.5	-1.1	+0.7	1,569	1,521	1,597	1,704	-7.9	9,499	9,101
Nonferrous and other primary metals	7,658	7,776	7,870	-1.5	-1.2	-0.5	7,749	7,779	7,977	7,274	+6.5	47,463	43,357
Fabricated metal products	19,016	18,692	19,319	+1.7	-3.2	+3.7	20,382	18,988	19,603	19,352	+5.3	114,673	108,175
Industrial machinery and equipment	32,471	32,753	33,861	-0.9	-3.3	+3.0	36,585	32,280	32,781	35,521	+3.0	200,326	190,679
Engines and turbines	1,431	1,497	1,746	-4.4	-14.3	-10.3	1,791	1,416	1,362	2,141	-16.3	9,581	10,081
Construction, mining and material handling equipment	3,838	3,659	3,954	+4.9	-7.5	+4.4	3,976	3,594	4,041	3,605	+10.3	23,620	21,645
Metalworking machinery	3,092	3,236	3,547	-4.4	-8.8	+9.4	3,525	3,187	3,359	3,272	+7.7	19,608	18,040
Computer and office equipment	8,316	8,632	8,538	-3.7	+1.1	-1.1	10,637	7,949	6,805	10,817	-1.7	50,549	48,783
Electronic and other electrical equipment	30,900	30,851	27,884	+0.2	+10.6	-3.2	32,161	29,509	27,053	27,587	+16.6	175,149	154,590
Electrical transmission and distribution equipment and industrial apparatus	3,199	3,229	3,366	-0.9	-4.1	+2.3	3,454	3,136	3,332	3,486	-0.9	19,901	18,744
Electric lighting and wiring equipment	2,078	2,089	2,266	-0.5	-7.8	+15.1	2,157	2,089	2,187	2,101	+2.7	12,600	12,058
Communications equipment	7,407	6,721	6,018	+10.2	+11.7	-8.1	8,470	6,230	5,336	6,304	+34.4	38,100	31,541
Electronic components	12,544	13,433	10,621	-6.6	+26.5	-6.3	12,084	12,858	10,955	10,115	+19.5	71,863	61,031
Transportation equipment	42,519	39,423	39,717	+7.9	-0.7	+2.8	45,463	39,590	41,546	45,488	-0.1	254,077	259,645
Aircraft, missiles, space vehicles, and parts	11,168	8,851	8,724	+26.2	+1.5	+13.4	11,999	7,255	8,345	10,813	+11.0	57,474	68,051
Shipbuilding and tanks	893	959	692	-6.9	+38.6	+21.4	1,139	948	723	2,481	-54.1	4,469	6,566
Instruments and related products	13,103	12,429	13,267	+5.4	-6.3	+2.5	14,207	12,111	12,438	12,810	+10.9	77,882	71,527
Search and navigation equipment	2,901	2,046	2,630	+41.8	-22.2	-3.6	3,114	1,753	2,259	2,234	+39.4	15,662	13,886
Measuring and controlling devices	3,738	3,887	3,819	-3.8	+1.8	+2.5	4,001	3,883	3,667	3,810	+5.0	22,914	21,574
Medical instruments and supplies	3,908	4,042	4,347	-3.3	-7.0	+8.7	4,120	4,001	4,140	4,175	-1.3	24,472	22,807
All other durable goods	19,433	19,272	19,489	+0.8	-1.1	+2.8	20,596	19,594	19,671	18,962	+8.6	114,282	104,329
Nondurable goods industries	147,146	147,599	148,432	-0.3	-0.6	+0.8	152,814	148,528	147,800	148,914	+2.6	880,766	848,568
With unfilled orders	36,201	35,957	36,175	+0.7	-0.6	-0.9	37,330	35,358	35,911	37,343	0.0	214,409	212,949

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1997[p]	May 1997[r]	Apr 1997	May-June	Apr.-May	Mar-Apr	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	June 97/96
All manufacturing industries	524,119	522,689	522,214	+0.3	+0.1	-0.3	523,399	526,202	527,593	501,620	+4.3
Manufacturing industries without defense capital goods	416,142	414,272	413,004	+0.5	+0.3	-0.3	414,829	416,634	415,873	390,880	+6.1
Durable goods industries	498,477	497,214	496,671	+0.3	+0.1	-0.3	496,988	500,042	501,539	476,741	+4.2
Stone, clay, and glass products	6,988	6,794	6,843	+2.9	-0.7	+0.8	6,900	6,879	6,960	6,769	+1.9
Primary metals	30,950	30,795	30,445	+0.5	+1.1	+1.6	31,062	31,553	31,664	29,089	+6.8
Blast furnaces, steel mills	12,579	12,421	12,267	+1.3	+1.3	+2.3	12,692	12,831	12,828	12,426	+2.1
Iron and steel foundries	4,770	4,760	4,677	+0.2	+1.8	+1.1	4,837	4,837	4,841	4,222	+14.6
Nonferrous and other primary metals	13,601	13,614	13,501	-0.1	+0.8	+1.2	13,533	13,885	13,995	12,441	+8.8
Fabricated metal products	25,768	25,574	25,449	+0.8	+0.5	+1.3	25,921	25,599	25,534	23,286	+11.3
Industrial machinery and equipment	72,721	73,965	74,265	-1.7	-0.4	+0.7	71,887	74,077	74,224	71,240	+0.9
Engines and turbines	11,692	12,143	12,535	-3.7	-3.1	-1.2	11,205	11,623	12,004	11,235	-0.3
Construction, mining and material handling equipment	9,147	9,051	9,106	+1.1	-0.6	+1.0	9,193	9,255	9,464	8,953	+2.7
Metalworking machinery	8,105	8,564	8,767	-5.4	-2.3	+2.4	8,105	8,564	8,767	8,587	-5.6
Computer and office equipment	8,883	9,425	9,602	-5.8	-1.8	-1.4	8,839	9,664	9,356	9,483	-6.8
Electronic and other electrical equipment	55,186	53,943	51,808	+2.3	+4.1	-1.1	53,901	54,197	52,467	48,205	+11.8
Electrical transmission and distribution equipment and industrial apparatus	6,709	6,768	6,779	-0.9	-0.2	+0.6	6,600	6,810	6,853	6,041	+9.3
Electric lighting and wiring equipment	4,476	4,478	4,505	0.0	-0.6	+2.8	4,476	4,478	4,505	4,099	+9.2
Communications equipment	15,148	14,250	13,873	+6.3	+2.7	0.0	15,185	14,241	13,888	13,876	+9.4
Electronic components	22,870	22,462	20,630	+1.8	+8.9	-4.0	21,658	22,669	21,226	19,047	+13.7
Transportation equipment	251,804	251,349	252,982	+0.2	-0.6	-1.0	252,193	252,320	255,468	244,341	+3.2
Aircraft, missiles, space vehicles, and parts	220,019	219,314	220,976	+0.3	-0.8	-0.9	220,575	220,441	223,209	212,068	+4.0
Shipbuilding and tanks	18,431	18,471	18,513	-0.2	-0.2	-1.2	18,579	18,479	18,556	19,496	-4.7
Instruments and related products	47,239	47,066	47,277	+0.4	-0.4	+0.7	47,086	47,095	47,489	46,031	+2.3
Search and navigation equipment	27,703	27,489	28,022	+0.8	-1.9	0.0	27,703	27,522	28,284	28,190	-1.7
Measuring and controlling devices	9,997	10,071	9,943	-0.7	+1.3	-0.2	9,997	10,071	9,943	9,571	+4.5
Medical instruments and supplies	7,847	8,050	8,022	-2.5	+0.3	+4.1	7,588	8,011	7,895	7,307	+3.8
All other durable goods	7,821	7,728	7,602	+1.2	+1.7	+1.9	8,038	8,322	7,733	7,780	+3.3
Nondurable goods industries	25,642	25,475	25,543	+0.7	-0.3	0.0	26,411	26,160	26,054	24,879	+6.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1997[p]	May 1997[r]	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	June 97/96
All manufacturing industries	444,798	443,460	441,508	+0.3	+0.4	+0.7	443,020	447,620	443,755	427,726	+3.6
lanufacturing industries											
vith unfilled orders	294,962	294,347	293,223	+0.2	+0.4	+0.8	294,934	298,467	295,086	284,939	+3.5
vithout defense capital goods	428,897	427,309	425,176	+0.4	+0.5	+0.7	426,889	431,223	427,428	410,421	+4.0
urable goods industries	278,775	278,084	276,992	+0.2	+0.4	+0.9	277,565	281,375	278,435	266,934	+4.0
With unfilled orders	255,706	255,054	254,094	+0.3	+0.4	+0.9	255,295	258,489	255,478	244,955	+4.2
tone, clay, and glass products	8,768	8,749	8,683	+0.2	+0.8	-0.2	8,874	8,993	8,910	8,536	+4.0
rimary metals	24,775	24,694	24,659	+0.3	+0.1	-0.7	24,661	24,697	24,682	24,128	+2.2
Blast furnaces, steel mills	12,140	12,223	12,184	-0.7	+0.3	-0.5	11,897	12,078	11,979	11,445	+3.9
Iron and steel foundries	1,670	1,679	1,678	-0.5	+0.1	-0.1	1,700	1,726	1,727	1,638	+3.8
Nonferrous and other primary metals	10,965	10,792	10,797	+1.6	0.0	-1.0	11,064	10,893	10,976	11,045	+0.2
abricated metal products	28,553	28,289	28,228	+0.9	+0.2	+0.5	28,933	28,663	28,625	27,250	+6.2
ndustrial machinery and equipment	59,543	59,635	59,387	-0.2	+0.4	+1.3	58,817	60,721	59,793	58,331	+0.8
Engines and turbines	3,621	3,641	3,690	-0.5	-1.3	+1.3	3,556	3,661	3,640	3,575	-0.5
Farm and garden machinery	3,277	3,231	3,173	+1.4	+1.8	+2.3	3,113	3,133	3,192	2,889	+7.8
Construction, mining and material handling equipment	7,730	7,645	7,623	+1.1	+0.3	+0.8	7,776	7,771	7,746	7,424	+4.7
Metalworking machinery	7,339	7,431	7,481	-1.2	-0.7	+1.2	7,310	7,559	7,515	7,137	+2.4
Computer and office equipment	11,820	11,950	11,830	-1.1	+1.0	+0.9	11,383	12,484	11,878	12,298	-7.4
lectronic and other electrical equipment	39,661	39,690	39,540	-0.1	+0.4	+1.2	39,674	40,413	39,889	39,361	+0.8
Electrical transmission and distribution equipment and industrial apparatus	5,324	5,315	5,264	+0.2	+1.0	+1.0	5,271	5,355	5,266	5,005	+5.3
Household appliances	2,799	2,785	2,783	+0.5	+0.1	+2.9	2,852	3,004	2,965	2,728	+4.5
Electric lighting and wiring equipment	3,351	3,366	3,346	-0.4	+0.6	+1.5	3,401	3,461	3,383	3,297	+3.2
Household audio and video equipment	1,492	1,528	1,544	-2.4	-1.0	-2.0	1,547	1,568	1,530	1,762	-12.2
Communications equipment	10,510	10,525	10,405	-0.1	+1.2	+0.6	10,414	10,858	10,605	9,915	+5.0
Electronic components	12,703	12,702	12,776	0.0	-0.6	+1.7	12,627	12,642	12,671	13,163	-4.1
ransportation equipment	66,344	66,107	65,735	+0.4	+0.6	+1.3	65,515	66,672	65,754	60,014	+9.2
Motor vehicles and parts	16,967	17,339	17,102	-2.1	+1.4	+1.4	16,342	17,282	17,081	15,779	+3.6
Aircraft, missiles, space vehicles, and parts	44,672	44,044	43,925	+1.4	+0.3	+1.2	44,572	44,637	43,920	39,579	+12.6
Shipbuilding and tanks	1,618	1,577	1,687	+2.6	-6.5	-1.9	1,596	1,601	1,732	1,709	-6.6
struments and related products	24,814	24,690	24,694	+0.5	0.0	+0.6	24,940	24,890	24,816	24,054	+3.7
Search and navigation equipment	6,247	6,219	6,187	+0.5	+0.5	+0.9	6,277	6,263	6,241	5,798	+8.3
Measuring and controlling devices	7,864	7,759	7,742	+1.4	+0.2	+0.8	7,903	7,786	7,791	7,526	+5.0
Medical instruments and supplies	7,771	7,763	7,810	+0.1	-0.6	+0.3	7,802	7,824	7,807	7,490	+4.2
Photographic goods	2,289	2,309	2,325	-0.9	-0.7	+0.6	2,305	2,366	2,342	2,620	-12.0
ll other durable goods	26,317	26,230	26,066	+0.3	+0.6	+0.7	26,151	26,326	25,966	25,260	+3.5
ondurable goods industries	166,023	165,376	164,516	+0.4	+0.5	+0.4	165,455	166,245	165,320	160,792	+2.9
With unfilled orders	39,256	39,293	39,129	-0.1	+0.4	+0.3	39,639	39,978	39,608	39,984	-0.9
ood and kindred products	35,214	35,060	34,929	+0.4	+0.4	+0.5	33,621	33,766	34,233	32,975	+2.0
Meat products	3,860	3,841	3,791	+0.5	+1.3	+1.8	3,906	3,923	3,890	3,784	+3.2
Dairy products	3,253	3,235	3,235	+0.6	0.0	+1.3	3,305	3,250	3,294	3,014	+9.7
Beverages	6,672	6,691	6,664	-0.3	+0.4	+1.1	6,612	6,691	6,693	6,543	+1.1
All other foods, except fats and oils	19,511	19,388	19,311	+0.6	+0.4	+0.6	17,989	18,024	18,389	17,728	+1.5
obacco products	6,195	6,238	6,241	-0.7	0.0	+1.4	5,718	5,957	6,170	5,402	+5.8
extile mill products	10,209	10,155	10,155	+0.5	0.0	+0.8	10,282	10,488	10,442	10,033	+2.5
Broadwoven fabrics and other textiles	6,356	6,327	6,320	+0.5	+0.1	+0.6	6,362	6,488	6,469	6,299	+1.0
aper and allied products	15,846	15,948	15,961	-0.6	-0.1	-0.6	15,792	16,200	16,180	16,494	-4.3
Pulp, paper, and paperboard mill products	6,542	6,590	6,584	-0.7	+0.1	+0.1	6,470	6,668	6,652	6,872	-5.8
Paperboard containers and boxes	3,817	3,894	3,925	-2.0	-0.8	-1.9	3,786	3,934	3,969	3,959	-4.4
Miscellaneous converted paper products	5,487	5,464	5,452	+0.4	+0.2	-0.5	5,536	5,598	5,559	5,663	-2.2
hemicals and allied products	42,293	42,045	42,013	+0.6	+0.1	+0.8	42,338	42,577	42,440	40,378	+4.9
Industrial chemicals	19,626	19,510	19,437	+0.6	+0.4	-0.4	19,469	19,483	19,395	18,795	+3.6
Drugs, soaps, and toiletries	17,440	17,414	17,466	+0.1	-0.3	+3.1	17,789	17,957	17,647	16,688	+6.6
etroleum and coal products	12,714	12,621	12,398	+0.7	+1.8	-1.9	13,040	13,025	12,512	12,129	+7.5
ubber and plastics products	16,305	16,231	16,037	+0.5	+1.2	+0.6	16,308	16,415	16,328	15,244	+7.0
ll other nondurable goods	27,247	27,078	26,782	+0.6	+1.1	+0.6	28,356	27,817	27,015	28,137	+0.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1997p	May 1997r	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997p	May 1997r	Apr. 1997	June 1996	June 97/96	1997p	1996
SHIPMENTS													
All manufacturing industries	326,427	323,567	326,909	+0.9	-1.0	+1.2	349,016	325,261	325,134	331,597	+5.3	1,947,007	1,843,239
Market categories :													
Automotive equipment	14,137	13,602	14,146	+3.9	-3.8	+2.0	15,082	14,571	15,198	14,858	+1.5	88,717	86,168
Home goods and apparel	19,014	18,784	19,234	+1.2	-2.3	+3.4	20,039	17,692	18,030	19,228	+4.2	109,474	104,352
Consumer staples	68,809	69,120	68,469	-0.4	+1.0	+0.6	70,510	68,755	66,262	67,588	+4.3	404,585	386,026
Machinery and equipment	59,133	58,194	58,645	+1.6	-0.8	+1.0	66,927	57,552	57,244	61,831	+8.2	349,447	322,877
Business supplies	25,236	25,163	25,073	+0.3	+0.4	+0.5	26,404	25,248	25,728	25,451	+3.7	150,322	144,467
Construction materials and supplies	20,693	20,597	21,045	+0.5	-2.1	+3.0	22,313	21,126	21,154	21,168	+5.4	122,330	113,777
Defense products	7,047	6,646	6,750	+6.0	-1.5	+1.4	7,618	6,424	6,415	7,057	+7.9	39,734	37,758
Other materials, supplies and and intermediate products	112,358	111,461	113,547	+0.8	-1.8	+1.2	120,123	113,893	115,103	114,416	+5.0	682,398	647,814
Durable goods industries :													
Nondefense capital goods [3]	46,187	45,601	45,660	+1.3	-0.1	+1.6	53,692	43,627	42,903	48,962	+9.7	267,907	245,679
Excluding aircraft and parts	39,469	38,533	38,422	+2.4	+0.3	+0.4	45,885	36,914	35,733	43,076	+6.5	228,590	215,948
Defense capital goods [4]	6,701	6,316	6,419	+6.1	-1.6	+2.4	7,287	6,094	6,020	6,730	+8.3	37,470	35,519
Durables excluding capital goods	126,560	123,983	126,403	+2.1	-1.9	+1.1	135,474	127,118	128,864	127,302	+6.4	762,630	715,331
Miscellaneous series :													
Producers' durable equipment	114,437	112,189	113,987	+2.0	-1.6	+1.6	126,902	112,917	113,763	119,371	+6.3	686,315	644,092
Household durable goods	9,942	9,553	9,566	+4.1	-0.1	0.0	10,545	9,073	9,109	9,596	+9.9	55,924	51,939
Information technology industries	21,626	21,369	21,157	+1.2	+1.0	-1.5	25,821	19,801	18,286	24,190	+6.7	124,597	115,777
Health care equipment and products	11,128	11,038	10,977	+0.8	+0.6	+1.7	11,694	10,434	10,343	10,854	+7.7	64,811	60,068
NEW ORDERS													
All manufacturing industries	327,857	324,042	325,544	+1.2	-0.5	+1.4	346,213	323,870	325,066	331,043	+4.6	1,958,187	1,867,825
Market categories :													
Automotive equipment	14,156	13,605	14,144	+4.0	-3.8	+1.7	15,068	14,507	15,191	14,804	+1.8	88,876	86,103
Home goods and apparel	19,193	19,100	19,139	+0.5	-0.2	+4.1	20,202	18,156	18,239	19,011	+6.3	110,953	106,554
Consumer staples	68,856	69,140	68,536	-0.4	+0.9	+0.3	70,668	68,781	66,365	67,689	+4.4	404,714	386,136
Machinery and equipment	59,467	57,217	57,288	+3.9	-0.1	-0.4	66,372	56,772	56,361	61,362	+8.2	353,326	338,324
Business supplies	25,222	25,276	25,183	-0.2	+0.4	0.0	26,243	25,575	25,945	25,402	+3.3	150,745	144,783
Construction materials and supplies	20,940	20,613	21,342	+1.6	-3.4	+4.5	22,559	21,094	21,498	21,093	+7.0	123,394	114,247
Defense products	6,621	5,959	6,683	+11.1	-10.8	+27.4	6,647	4,462	5,965	8,715	-23.7	36,389	44,008
Other materials, supplies and and intermediate products	113,402	113,132	113,229	+0.2	-0.1	+1.0	118,454	114,523	115,502	112,967	+4.9	689,790	647,670
Durable goods industries :													
Nondefense capital goods [3]	46,617	44,211	43,751	+5.4	+1.1	-1.7	53,257	42,344	41,104	48,286	+10.3	269,944	260,354
Excluding aircraft and parts	38,979	38,325	38,570	+1.7	-0.6	-1.5	44,530	36,813	35,991	41,783	+6.6	231,650	217,388
Defense capital goods [4]	6,261	5,523	6,271	+13.4	-11.9	+27.5	6,289	3,942	5,554	8,442	-25.5	34,362	41,957
Durables excluding capital goods	127,833	126,709	127,090	+0.9	-0.3	+2.1	133,853	129,056	130,608	125,401	+6.7	773,115	716,946
Miscellaneous series :													
Producers' durable equipment	114,645	111,464	112,980	+2.9	-1.3	+0.8	125,607	112,454	113,215	118,132	+6.3	692,158	658,804
Household durable goods	10,144	9,846	9,604	+3.0	+2.5	+1.3	10,691	9,491	9,266	9,340	+14.5	57,158	52,948
Information technology industries	22,038	21,443	20,976	+2.8	+2.2	-3.5	25,929	20,372	18,346	23,322	+11.2	127,376	115,738
Health care equipment and products	10,927	11,067	11,296	-1.3	-2.0	+5.8	11,273	10,551	10,689	10,727	+5.1	64,982	60,059

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 97/96
	June 1997[p]	May 1997[r]	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	
UNFILLED ORDERS											
All manufacturing industries	524,119	522,689	522,214	+0.3	+0.1	-0.3	523,399	526,202	527,593	501,620	+4.3
Market categories :											
Automotive equipment	2,424	2,405	2,402	+0.8	+0.1	-0.1	2,362	2,376	2,441	2,170	+8.8
Home goods and apparel	8,501	8,321	8,006	+2.2	+3.9	-1.2	8,985	8,822	8,359	9,703	-7.4
Consumer staples	2,294	2,248	2,227	+2.0	+0.9	+3.1	2,287	2,129	2,103	1,989	+15.0
Machinery and equipment	232,629	232,296	233,273	+0.1	-0.4	-0.6	232,452	233,006	233,786	223,779	+3.9
Business supplies	6,949	6,963	6,850	-0.2	+1.6	+1.6	7,032	7,193	6,867	6,656	+5.6
Construction materials and supplies	17,065	16,817	16,801	+1.5	+0.1	+1.8	17,192	16,946	16,978	15,914	+8.0
Defense products	103,206	103,632	104,319	-0.4	-0.7	-0.1	103,761	104,732	106,694	105,940	-2.1
Other materials, supplies and and intermediate products	151,051	150,007	148,336	+0.7	+1.1	-0.2	149,328	150,998	150,365	135,469	+10.2
Durable goods industries :											
Nondefense capital goods [3]	252,176	251,746	253,136	+0.2	-0.5	-0.7	251,560	251,995	253,278	241,028	+4.4
Excluding aircraft and parts	97,451	97,941	98,149	-0.5	-0.2	+0.2	96,835	98,190	98,291	95,089	+1.8
Defense capital goods [4]	107,977	108,417	109,210	-0.4	-0.7	-0.1	108,570	109,568	111,720	110,740	-2.0
Durables excluding capital goods	138,324	137,051	134,325	+0.9	+2.0	+0.5	136,858	138,479	136,541	124,973	+9.5
Miscellaneous series :											
Producers' durable equipment	269,682	269,474	270,199	+0.1	-0.3	-0.4	268,853	270,148	270,611	259,041	+3.8
Household durable goods	5,888	5,686	5,393	+3.6	+5.4	+0.7	6,034	5,888	5,470	5,969	+1.1
Information technology industries	37,920	37,508	37,434	+1.1	+0.2	-0.5	37,869	37,761	37,190	36,469	+3.8
Health care equipment and products	7,885	8,086	8,058	-2.5	+0.3	+4.1	7,627	8,048	7,931	7,336	+4.0
TOTAL INVENTORIES											
All manufacturing industries	444,798	443,460	441,508	+0.3	+0.4	+0.7	443,020	447,620	443,755	427,726	+3.6
Market categories :											
Automotive equipment	8,409	8,472	8,319	-0.7	+1.8	+1.7	8,127	8,538	8,386	7,848	+3.6
Home goods and apparel	32,202	31,914	31,693	+0.9	+0.7	+0.7	33,248	33,075	32,168	32,261	+3.1
Consumer staples	69,059	68,871	68,613	+0.3	+0.4	+1.1	67,878	68,342	68,195	65,329	+3.9
Machinery and equipment	111,949	111,159	110,570	+0.7	+0.5	+1.3	110,890	113,084	111,366	103,549	+7.1
Business supplies	26,644	26,501	26,263	+0.5	+0.9	-0.1	26,803	26,870	26,585	26,040	+2.9
Construction materials and supplies	27,359	27,233	27,092	+0.5	+0.5	+0.5	27,552	27,541	27,408	26,529	+3.9
Defense products	15,626	15,881	16,062	-1.6	-1.1	+0.7	15,818	16,101	16,060	16,783	-5.7
Other materials, supplies and and intermediate products	153,550	153,429	152,896	+0.1	+0.3	+0.2	152,704	154,069	153,587	149,387	+2.2
Durable goods industries :											
Nondefense capital goods [3]	105,913	105,149	104,545	+0.7	+0.6	+1.2	104,958	107,182	105,281	97,566	+7.6
Excluding aircraft and parts	70,987	71,085	70,732	-0.1	+0.5	+1.1	70,370	72,756	71,448	69,553	+1.2
Defense capital goods [4]	15,901	16,151	16,332	-1.5	-1.1	+0.4	16,131	16,397	16,327	17,305	-6.8
Durables excluding capital goods	156,961	156,784	156,115	+0.1	+0.4	+0.7	156,476	157,796	156,827	152,063	+2.9
Miscellaneous series :											
Producers' durable equipment	181,399	180,613	179,428	+0.4	+0.7	+1.2	180,278	183,192	180,656	169,938	+6.1
Household durable goods	16,061	15,962	15,871	+0.6	+0.6	+0.8	16,325	16,416	16,037	15,673	+4.2
Information technology industries	34,616	34,572	34,308	+0.1	+0.8	+0.7	34,130	35,524	34,676	34,300	-0.5
Health care equipment and products	17,236	17,213	17,282	+0.1	-0.4	+1.8	17,453	17,565	17,377	16,543	+5.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1997[p]	May 1997[r]	Apr. 1997	May-June	Apr.-May	Mar.-Apr.	June 1997[p]	May 1997[r]	Apr. 1997	June 1996	June 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	147,001	146,533	146,133	+0.3	+0.3	0.0	145,968	146,110	145,690	143,996	+1.4
Durable goods industries	85,812	85,373	85,066	+0.5	+0.4	+0.1	84,834	84,860	84,274	83,311	+1.8
Stone, clay, and glass products	2,896	2,885	2,917	+0.4	-1.1	+1.0	2,898	2,888	2,889	2,814	+3.0
Primary metals	7,950	7,923	7,946	+0.3	-0.3	-0.2	7,808	7,732	7,714	7,406	+5.4
Fabricated metal products	10,402	10,302	10,430	+1.0	-1.2	-0.5	10,421	10,241	10,395	10,020	+4.0
Industrial machinery and equipment	18,264	17,990	17,805	+1.5	+1.0	-1.5	18,070	18,093	17,609	18,521	-2.4
Electronic and other electrical equipment	13,664	13,704	13,651	-0.3	+0.4	+0.6	13,575	13,719	13,693	13,793	-1.6
Transportation equipment	14,340	14,266	14,181	+0.5	+0.6	+1.0	14,153	14,264	14,242	13,474	+5.0
Instruments and related products	8,178	8,142	8,091	+0.4	+0.6	+0.4	8,197	8,188	8,106	7,793	+5.2
Lumber, furniture and miscellaneous durable goods	10,118	10,161	10,045	-0.4	+1.2	+1.3	9,712	9,735	9,626	9,490	+2.3
Nondurable goods industries	61,189	61,160	61,067	0.0	+0.2	-0.1	61,134	61,250	61,416	60,685	+0.7
Food and kindred products	11,306	11,256	11,256	+0.4	0.0	-0.9	11,081	11,025	11,274	11,141	-0.5
Tobacco products	5,261	5,227	5,230	+0.7	-0.1	+1.9	4,997	5,127	5,305	4,667	+7.1
Textile mill products	3,139	3,137	3,208	+0.1	-2.2	-0.6	3,151	3,222	3,275	2,950	+6.8
Paper and allied products	7,696	7,811	7,870	-1.5	-0.7	-0.5	7,597	7,846	7,895	8,009	-5.1
Chemicals and allied products	14,104	14,072	14,148	+0.2	-0.5	+0.2	14,270	14,196	14,180	13,858	+3.0
Petroleum and coal products	3,750	3,807	3,610	-1.5	+5.5	-3.4	3,886	3,929	3,705	3,608	+7.7
Rubber and plastics products	6,217	6,251	6,217	-0.5	+0.5	+0.5	6,200	6,260	6,257	6,062	+2.3
Apparel, printing and publishing and leather goods	9,716	9,599	9,528	+1.2	+0.7	+0.4	9,952	9,645	9,525	10,390	-4.2
WORK IN PROCESS											
All manufacturing industries	140,666	140,724	139,918	0.0	+0.6	+0.8	139,741	141,781	140,007	133,614	+4.6
Durable goods industries	112,926	112,939	112,555	0.0	+0.3	+0.7	112,369	114,142	112,832	107,670	+4.4
Stone, clay, and glass products	1,188	1,279	1,251	-7.1	+2.2	-1.7	1,222	1,348	1,314	1,283	-4.8
Primary metals	8,860	8,808	8,778	+0.6	+0.3	-0.4	8,871	8,851	8,829	8,820	+0.6
Fabricated metal products	8,007	7,984	7,898	+0.3	+1.1	+1.2	8,014	8,057	7,927	7,757	+3.3
Industrial machinery and equipment	22,620	22,769	22,906	-0.7	-0.6	+1.9	22,492	23,172	23,042	22,314	+0.8
Electronic and other electrical equipment	14,802	14,738	14,649	+0.4	+0.6	-0.3	14,809	14,916	14,708	15,043	-1.6
Transportation equipment	42,266	42,312	42,087	-0.1	+0.5	+0.9	41,673	42,643	41,891	37,501	+11.1
Instruments and related products	10,051	10,003	10,007	+0.5	0.0	+0.3	10,136	10,068	10,115	9,820	+3.2
Lumber, furniture and miscellaneous durable goods	5,132	5,046	4,979	+1.7	+1.3	-1.0	5,152	5,087	5,006	5,132	+0.4
Nondurable goods industries	27,740	27,785	27,363	-0.2	+1.5	+1.1	27,372	27,639	27,175	25,944	+5.5
Food and kindred products	5,005	5,073	4,950	-1.3	+2.5	+0.6	4,620	4,638	4,675	4,515	+2.3
Tobacco products	225	226	217	-0.4	+4.1	-9.2	154	164	164	155	-0.6
Textile mill products	2,562	2,568	2,542	-0.2	+1.0	+2.1	2,546	2,602	2,572	2,589	-1.7
Paper and allied products	1,704	1,694	1,676	+0.6	+1.1	-0.5	1,742	1,726	1,696	1,710	+1.9
Chemicals and allied products	7,480	7,423	7,331	+0.8	+1.3	+3.3	7,530	7,548	7,311	6,815	+10.5
Petroleum and coal products	2,686	2,720	2,775	-1.3	-2.0	-1.3	2,705	2,799	2,812	2,557	+5.8
Rubber and plastics products	2,271	2,244	2,174	+1.2	+3.2	+0.4	2,219	2,254	2,155	1,988	+11.6
Apparel, printing and publishing and leather goods	5,807	5,837	5,698	-0.5	+2.4	+0.5	5,856	5,908	5,790	5,615	+4.3
FINISHED GOODS											
All manufacturing industries	157,131	156,203	155,457	+0.6	+0.5	+1.2	157,311	159,729	158,058	150,116	+4.8
Durable goods industries	80,037	79,772	79,371	+0.3	+0.5	+1.9	80,362	82,373	81,329	75,953	+5.8
Stone, clay, and glass products	4,684	4,585	4,515	+2.2	+1.6	-0.5	4,754	4,757	4,707	4,439	+7.1
Primary metals	7,965	7,963	7,935	0.0	+0.4	-1.6	7,982	8,114	8,139	7,902	+1.0
Fabricated metal products	10,144	10,003	9,900	+1.4	+1.0	+0.9	10,498	10,365	10,303	9,473	+10.8
Industrial machinery and equipment	18,659	18,876	18,676	-1.1	+1.1	+3.4	18,255	19,456	19,142	17,496	+4.3
Electronic and other electrical equipment	11,195	11,248	11,240	-0.5	+0.1	+3.8	11,290	11,778	11,488	10,525	+7.3
Transportation equipment	9,738	9,529	9,467	+2.2	+0.7	+3.5	9,689	9,765	9,621	9,039	+7.2
Instruments and related products	6,585	6,545	6,596	+0.6	-0.8	+1.5	6,607	6,634	6,595	6,441	+2.6
Lumber, furniture and miscellaneous durable goods	11,067	11,023	11,042	+0.4	-0.2	+1.1	11,287	11,504	11,334	10,638	+6.1
Nondurable goods industries	77,094	76,431	76,086	+0.9	+0.5	+0.5	76,949	77,356	76,729	74,163	+3.8
Food and kindred products	18,903	18,731	18,723	+0.9	0.0	+1.3	17,920	18,103	18,284	17,319	+3.5
Tobacco products	709	785	794	-9.7	-1.1	+1.8	567	666	701	580	-2.2
Textile mill products	4,508	4,450	4,405	+1.3	+1.0	+1.0	4,585	4,664	4,595	4,494	+2.0
Paper and allied products	6,446	6,443	6,415	0.0	+0.4	-0.8	6,453	6,628	6,589	6,775	-4.8
Chemicals and allied products	20,709	20,550	20,534	+0.8	+0.1	+0.4	20,538	20,833	20,949	19,705	+4.2
Petroleum and coal products	6,278	6,094	6,013	+3.0	+1.3	-1.2	6,449	6,297	5,995	5,964	+8.1
Rubber and plastics products	7,817	7,736	7,646	+1.0	+1.2	+0.8	7,889	7,901	7,916	7,194	+9.7
Apparel, printing and publishing and leather goods	11,724	11,642	11,556	+0.7	+0.7	+0.8	12,548	12,264	11,700	12,132	+3.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1997[p]	May 1997[r]	Apr. 1997	Mar. 1997	June 1997[p]	May 1997[r]	Apr. 1997	Mar. 1997
ll manufacturing industries	1.36	1.37	1.35	1.36	2.86	2.89	2.86	2.90
able goods industries	1.55	1.58	1.55	1.56	3.39	3.44	3.40	3.44
one, clay, and glass products	1.17	1.16	1.14	1.16	0.98	0.95	0.95	0.95
imary metals	1.61	1.63	1.60	1.63	2.01	2.03	1.97	1.97
bricated metal products	1.52	1.52	1.49	1.52	1.46	1.47	1.43	1.45
dustrial machinery and equipment	1.77	1.80	1.78	1.79	2.29	2.38	2.37	2.40
ectronic and other lectrical equipment	1.34	1.38	1.39	1.33	1.86	1.88	1.82	1.78
ansportation equipment	1.58	1.61	1.55	1.58	11.21	11.29	11.08	11.72
struments and related products	1.92	1.95	1.91	1.91	3.65	3.72	3.65	3.65
durable goods industries	1.13	1.12	1.11	1.12	0.71	0.71	0.71	0.71
od and kindred products	0.88	0.87	0.87	0.87	(X)	(X)	(X)	(X)
bacco products	1.94	1.95	2.04	1.99	(X)	(X)	(X)	(X)
xtile mill products	1.54	1.50	1.48	1.48	(NA)	(NA)	(NA)	(NA)
per and allied products	1.21	1.21	1.18	1.22	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.29	1.28	1.27	1.30	(X)	(X)	(X)	(X)
troleum and coal products	0.85	0.84	0.83	0.83	(X)	(X)	(X)	(X)
bber and plastics products	1.33	1.33	1.26	1.30	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; tor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; roleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1997	June[2] 1992-1996	June 1996-May 1997	June[1] 1997	June[2] 1992-1996	June 1996-May 1997	June[1] 1997	June[2] 1992-1996	June 1996-May 1997	June[1] 1997	June[2] 1992-1996	June 1996-May 1997
ll manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
able goods industries	0.2	0.1	0.2	0.1	0.2	0.3	0.0	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.6	0.5	(X)	1.2	0.9	(X)	0.7	0.7	(X)	0.2	0.2
mary metals	0.1	0.4	0.3	-0.1	0.7	0.8	-0.2	0.2	0.3	(X)	0.1	0.0
bricated metal products	(X)	0.4	0.3	(X)	0.5	0.5	(X)	0.2	0.4	(X)	0.2	0.1
lustrial machinery and equipment	0.0	0.3	0.4	-0.3	0.6	0.6	-0.2	0.2	0.2	(X)	0.1	0.1
ctronic and other lectrical equipment	0.0	0.2	0.5	0.2	1.7	1.0	0.1	0.8	0.5	(X)	0.1	0.1
ansportation equipment	0.9	0.6	0.3	0.4	0.3	1.0	0.0	0.1	0.2	(X)	0.2	0.1
truments and related products	(X)	0.9	0.4	(X)	1.6	1.0	(X)	0.1	0.3	(X)	0.1	0.3
durable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.2	(X)	0.2	0.1
od and kindred products	(X)	0.0	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.7	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.2
per and allied products	(X)	0.6	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.6	0.1
emicals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
troleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
bber and plastics products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
ital goods industries :												
ndefense	0.7	0.5	0.3	0.0	0.8	0.5	-0.1	0.0	0.1	(X)	0.1	0.1
fense	-0.4	0.3	0.6	3.5	2.0	4.2	0.2	0.1	0.2	(X)	0.3	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

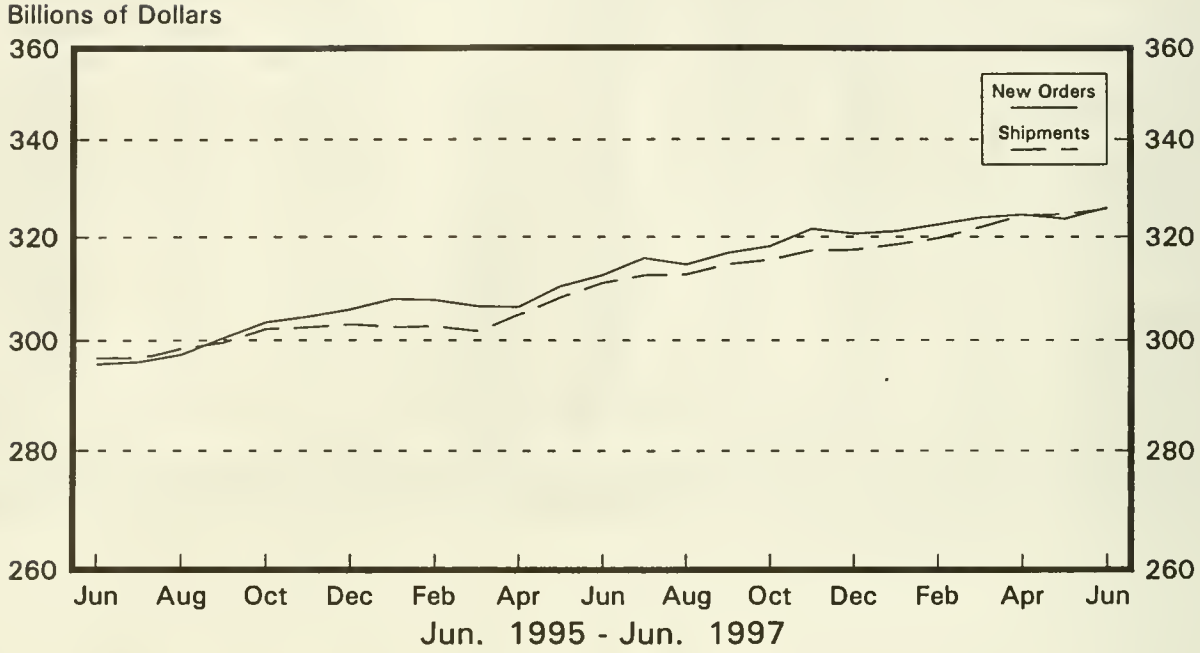
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

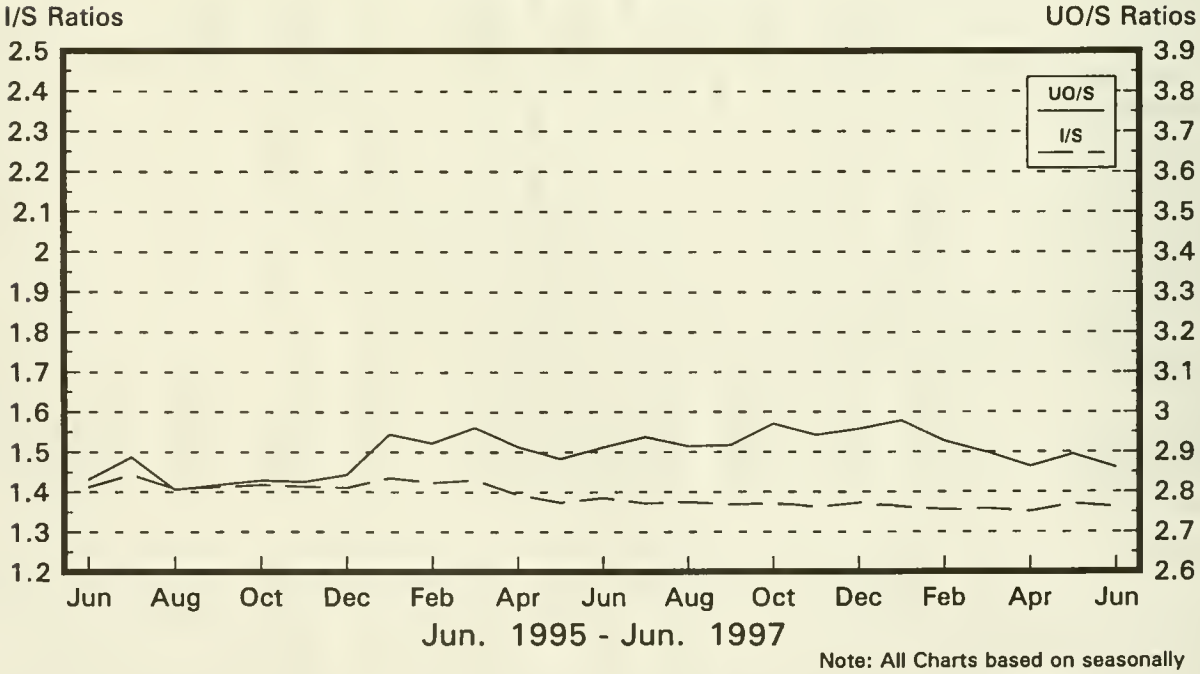
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

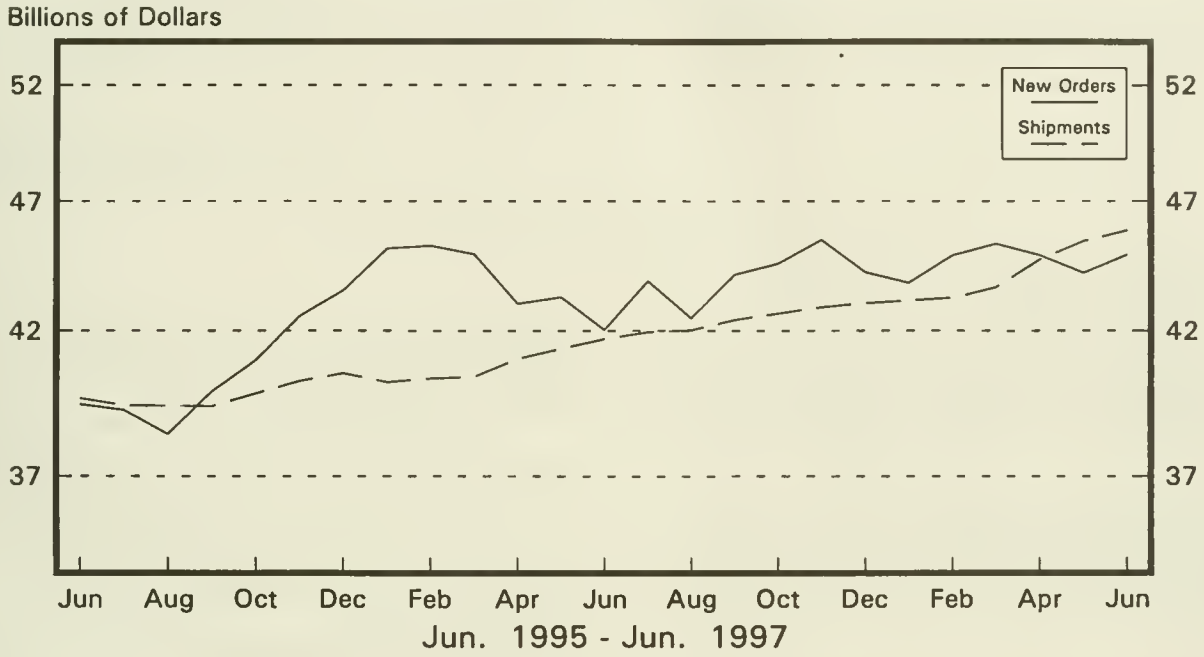
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

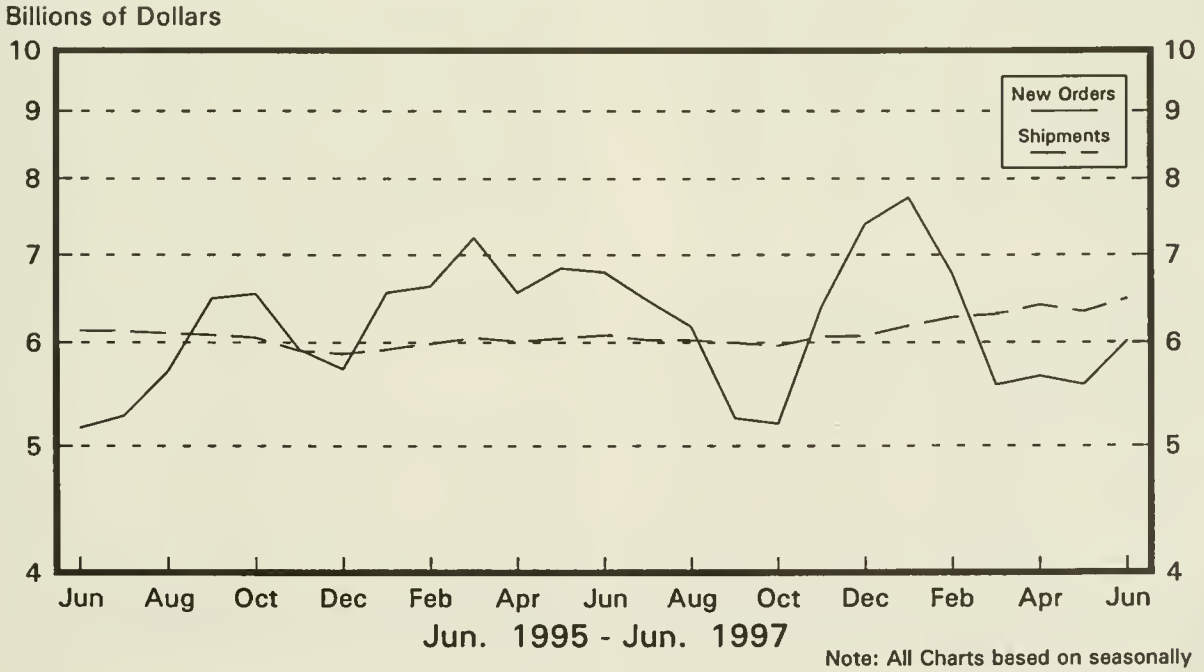
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

July 1997
M3-1-(97)-07
For Wire Transmissions 10:00 a.m. E.D.T. September 4, 1997

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July increased $0.7 billion or 0.2 percent to $330.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.7 percent June increase and is the third increase in the last four months. Excluding transportation, new orders increased 0.8 percent, following a 0.7 percent June increase. Year to date, new orders are 4.9 percent above the same period a year ago.

Shipments, up three of the last four months, increased $4.5 billion or 1.4 percent to $332.9 billion, following a 1.5 percent June increase. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, down for the first month since April, decreased $2.6 billion or 0.5 percent to $521.4 billion, following a 0.2 percent June increase. The unfilled orders-to-shipments ratio was 2.80, down from 2.84 in June.

Inventories, up twelve of the last thirteen months, increased $2.1 billion or 0.5 percent to $447.0 billion, following a 0.3 percent June increase. The inventories-to-shipments ratio was 1.34, down from 1.35 in June.

New Orders

New orders for manufactured durable goods in July decreased $0.6 billion or 0.3 percent to $181.0 billion, revised from the previously published 0.6 percent decrease. This follows a 2.9 percent June increase and is the second decrease in the last three months.

Electronic and other electrical equipment, down four of the last five months, had the largest decrease, $3.9 billion or 13.1 percent to $26.1 billion, due to electronic components and communication equipment. This follows a 2.6 percent June decrease. Transportation equipment, down two of the last three months, decreased $1.5 billion or 3.5 percent to $41.4 billion; declines, led by aircraft and parts, more than offset an increase in motor vehicles and parts. This follows an 8.8 percent June increase. Industrial machinery and equipment increased $2.2 billion or 6.6 percent to $35.3 billion. This follows a 1.1 percent June increase. Instruments and related products, up three of the last four months, increased $1.6 billion or 12.3 percent to $15.0 billion, following a 7.4 percent June increase. Primary metals, up eight of the last nine months, increased $0.6 billion or 3.7 percent to $16.3 billion, following a 1.1 percent June increase.

New orders for nondurable goods, up three of the last four months, increased $1.3 billion or 0.9 percent to $149.3 billion, following a 0.3 percent June increase. Food and kindred products, textile mill products, and rubber and plastic products had the largest increases.

Shipments

Shipments of durable goods in July, up six of the last seven months, increased $3.3 billion or 1.8 percent to $184.0 billion, revised from the previously published 1.7 percent increase. This follows a 2.7 percent June increase.

Transportation equipment, up six of the last seven months, had the largest increase, $1.8 billion or 4.1 percent to $44.2 billion, due to motor vehicles and parts and aircraft and parts. Industrial machinery and equipment, up five of the last six months, increased $0.8 billion or 2.2 percent to $35.0 billion, following a 3.7 percent June increase. Stone, clay, and glass products, up for the first month since April, increased $0.3 billion or 3.5 percent to $7.8 billion. This follows a 0.7 percent June decrease. Instruments and related products, up three of the last four months, increased $0.2 billion or 1.7 percent to $13.4 billion, following a 4.3 percent June increase. Primary metals, up three of the last four months, increased $0.2 billion or 1.0 percent to $15.6 billion, following a 1.7 percent June increase. Electronic and other electrical equipment, down following two consecutive increases, decreased $0.3 billion or 1.0 percent to $29.3 billion. This follows a 2.9 percent June increase.

Shipments of nondurable goods, up for the first month since April, increased $1.2 billion or 0.8 percent to $148.8 billion. This follows a slight June decrease. Food and kindred products, up four of the last five months, had the largest increase, $0.4 billion or 1.1 percent to $40.5 billion. This follows a 0.4 percent June decline. Rubber and plastic, up three of the last four months, increased $0.3 billion or 2.1 percent to $12.5 billion, following a 0.8 percent June increase.

Unfilled Orders

Unfilled orders for durable goods in July decreased $3.0 billion or 0.6 percent to $495.1 billion, unrevised from the previously published 0.6 percent decrease. This follows a 0.2 percent June increase and is the first decline since April.

Electronic and other electrical equipment had the largest decrease, $3.2 billion or 5.8 percent to $51.3 billion, following increases of 0.9 percent and 4.1 percent in June and May respectively. Transportation equipment decreased $2.8 billion or 1.1 percent to $249.1 billion, mostly due to aircraft and parts. This follows a 0.2 percent June increase and is the fifth decrease in the last six months. Instruments and related products, up eight of the last nine months, increased $1.6 billion or 3.4 percent to $48.8 billion. This follows a 0.4 percent June increase. Primary metals, up for the seventh consecutive month, increased $0.7 billion or 2.2 percent to $31.8 billion, following a 0.9 percent June increase. Fabricated metal products, up for the nineteenth consecutive month, increased $0.3 billion or 1.0 percent to $26.3 billion, following a 1.6 percent June increase. Industrial machinery and equipment, up for the first month since April, increased $0.3 billion or 0.3 percent to $73.0 billion, following a 1.6 percent June decrease.

Inventories

Inventories of durable goods in July, up twelve of the last thirteen months, increased $1.9 billion or 0.7 percent to $281.1 billion. This follows a 0.4 percent June increase. Electronic and other electrical equipment, up for the fourth consecutive month, increased $0.6 billion or 1.6 percent to $40.4 billion, following a 0.1 percent June increase. Transportation equipment, up for the nineteenth consecutive month, increased $0.5 billion or 0.7 percent to $66.9 billion. This follows a 0.4 percent June increase. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.4 billion or 0.7 percent to $60.2 billion. This follows a 0.2 percent June increase.

Inventories of nondurable goods, up eleven of the last twelve months, increased $0.2 billion or 0.1 percent to $165.9 billion, following a 0.2 percent June increase. Chemicals and allied products had the largest increase.

By stage of fabrication, July finished goods increased 0.6 percent in durables and 0.5 percent in nondurables. Work in process increased 0.7 percent in durables and 0.3 percent in nondurables. Materials and supplies increased 0.8 percent in durables and decreased 0.4 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for August is scheduled for September 25, 1997 at 8:30 a.m. and the full report on October 2, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96	1997[p]	1996
All manufacturing industries	332,858	328,315	323,567	+1.4	+1.5	-1.0	299,735	350,833	325,261	280,761	+6.8	2,248,559	2,124,000
Manufacturing Industries													
with unfilled orders	186,333	184,533	180,612	+1.0	+2.2	-1.0	164,956	200,916	178,624	151,676	+8.8	1,247,637	1,169,015
without defense capital goods	326,459	321,653	317,251	+1.5	+1.4	-1.0	294,144	343,591	319,167	275,652	+6.7	2,205,543	2,083,372
Durable goods industries	184,016	180,687	175,900	+1.8	+2.7	-1.4	156,235	197,634	176,839	141,288	+10.6	1,225,423	1,137,817
With unfilled orders	149,599	148,046	144,587	+1.0	+2.4	-1.1	129,813	163,274	143,372	117,290	+10.7	999,288	923,538
Stone, clay, and glass products	7,762	7,500	7,556	+3.5	-0.7	-0.8	7,691	8,181	7,807	7,050	+9.1	51,992	47,283
Primary metals	15,576	15,425	15,166	+1.0	+1.7	-1.7	14,134	16,236	15,655	13,154	+7.5	107,860	101,376
Blast furnaces, steel mills	6,271	6,287	6,081	-0.3	+3.4	-2.5	5,725	6,566	6,241	5,551	+3.1	43,956	42,294
Iron and steel foundries	1,522	1,445	1,422	+5.3	+1.6	-3.4	1,272	1,555	1,525	1,209	+5.2	10,212	9,623
Nonferrous and other primary metals	7,783	7,693	7,663	+1.2	+0.4	-0.7	7,137	8,115	7,889	6,394	+11.6	53,692	49,459
Fabricated metal products	18,978	18,885	18,567	+0.5	+1.7	-2.3	16,858	20,119	18,923	15,968	+5.6	129,899	123,046
Industrial machinery and equipment	35,036	34,284	33,053	+2.2	+3.7	-0.8	29,623	39,738	32,427	26,289	+12.7	231,189	216,441
Engines and turbines	1,990	1,903	1,889	+4.6	+0.7	-0.7	1,397	2,209	1,797	1,265	+10.4	12,474	12,405
Farm and garden machinery	2,277	2,049	1,978	+11.1	+3.6	-2.6	1,783	2,041	2,344	1,447	+23.2	15,432	14,184
Construction, mining and material handling equipment	3,826	3,759	3,714	+1.8	+1.2	-3.9	3,459	4,046	3,803	3,131	+10.5	26,523	24,191
Metalworking machinery	3,619	3,558	3,439	+1.7	+3.5	+3.0	3,018	3,961	3,390	2,504	+20.5	22,708	20,123
Computer and office equipment	9,491	9,328	8,809	+1.7	+5.9	+1.6	7,232	12,382	7,641	6,153	+17.5	59,643	54,899
Electronic and other electrical equipment	29,273	29,561	28,716	-1.0	+2.9	+0.8	25,353	32,362	27,779	23,166	+9.4	194,368	179,024
Electrical transmission and distribution equipment and industrial apparatus	3,363	3,275	3,240	+2.7	+1.1	-2.6	3,021	3,669	3,179	2,822	+7.1	22,629	21,610
Household appliances	2,006	2,078	1,944	-3.5	+6.9	-2.3	1,868	2,398	1,968	1,817	+2.8	13,981	13,595
Electric lighting and wiring equipment	2,155	2,082	2,116	+3.5	-1.6	-1.3	1,808	2,160	2,116	1,674	+8.0	14,347	13,515
Household audio and video equipment	1,302	1,412	1,353	-7.8	+4.4	+3.8	1,130	1,281	1,132	1,096	+3.1	8,032	7,422
Communications equipment	6,646	6,523	6,344	+1.9	+2.8	+5.3	5,662	7,473	5,877	4,815	+17.6	40,924	35,982
Electronic components	11,797	12,023	11,601	-1.9	+3.6	+1.1	10,275	13,058	11,415	9,180	+11.9	80,204	72,496
Transportation equipment	44,169	42,415	41,056	+4.1	+3.3	-3.0	32,016	45,576	42,738	27,765	+15.3	289,621	267,604
Motor vehicles and parts	30,400	28,945	27,813	+5.0	+4.1	-4.0	19,975	30,582	29,912	18,510	+7.9	201,434	192,749
Aircraft, missiles, space vehicles, and parts	11,106	10,494	10,513	+5.8	-0.2	-2.2	9,697	11,837	10,023	7,043	+37.7	69,477	55,591
Shipbuilding and tanks	914	931	1,001	-1.8	-7.0	+9.4	847	1,039	1,025	854	-0.8	6,190	6,359
Instruments and related products	13,409	13,189	12,640	+1.7	+4.3	-2.3	11,965	14,513	12,505	10,982	+9.0	88,870	83,034
Search and navigation equipment	2,756	2,706	2,579	+1.8	+4.9	-2.5	2,441	2,938	2,515	2,145	+13.8	18,022	16,618
Measuring and controlling devices	4,159	3,999	3,759	+4.0	+6.4	-2.2	3,589	4,297	3,755	3,098	+15.8	26,475	24,825
Medical instruments and supplies	4,190	4,173	4,014	+0.4	+4.0	-0.4	3,859	4,619	3,885	3,583	+7.7	28,245	26,401
Photographic goods	1,835	1,860	1,863	-1.3	-0.2	-6.3	1,604	2,162	1,912	1,772	-9.5	13,016	12,680
All other durable goods	19,813	19,428	19,146	+2.0	+1.5	-1.0	18,595	20,909	19,005	16,914	+9.9	131,624	120,009
Nondurable goods industries	148,842	147,628	147,667	+0.8	0.0	-0.5	143,500	153,199	148,422	139,473	+2.9	1,023,136	986,183
With unfilled orders	36,734	36,487	36,025	+0.7	+1.3	-0.4	35,143	37,642	35,252	34,386	+2.2	248,349	245,477
Food and kindred products	40,514	40,071	40,251	+1.1	-0.4	+0.3	39,096	40,765	40,437	38,044	+2.8	275,398	267,381
Meat products	8,973	8,888	8,911	+1.0	-0.3	+0.4	8,838	9,022	9,115	8,636	+2.3	61,208	59,952
Dairy products	4,960	4,949	5,112	+0.2	-3.2	+4.4	4,796	5,067	5,181	4,899	-2.1	34,599	33,481
Beverages	5,904	5,723	5,828	+3.2	-1.8	-0.1	6,305	6,509	6,319	6,160	+2.4	40,853	39,953
All other foods, except fats and oils	18,763	18,599	18,427	+0.9	+0.9	+0.2	17,243	18,255	17,849	16,417	+5.0	124,684	120,761
Tobacco products	3,190	3,189	3,194	0.0	-0.2	+4.2	3,180	3,219	3,346	2,938	+8.2	21,838	19,589
Textile mill products	6,912	6,716	6,771	+2.9	-0.8	-1.4	6,205	7,456	6,856	5,857	+5.9	46,786	44,642
Broadwoven fabrics and other textiles	4,239	4,100	4,136	+3.4	-0.9	-1.9	3,658	4,450	4,267	3,487	+4.9	28,916	27,932
Paper and allied products	13,337	13,327	13,208	+0.1	+0.9	-2.4	13,024	13,959	13,191	13,199	-1.3	92,838	95,166
Pulp, paper, and paperboard mill products	5,174	5,123	5,171	+1.0	-0.9	-4.2	5,158	5,353	5,171	5,353	-3.6	36,618	38,775
Paperboard containers and boxes	3,217	3,212	3,212	+0.2	0.0	-0.6	3,088	3,295	3,261	3,152	-2.0	22,653	23,269
Miscellaneous converted paper products	4,946	4,992	4,825	-0.9	+3.5	-1.6	4,778	5,311	4,759	4,694	+1.8	33,567	33,122
Chemicals and allied products	32,786	32,756	32,945	+0.1	-0.6	-0.1	31,144	34,515	33,507	29,919	+4.1	230,186	215,991
Industrial chemicals	15,864	15,823	15,888	+0.3	-0.4	-1.1	15,404	16,732	16,191	14,737	+4.5	112,839	106,692
Drugs, soaps, and toiletries	12,942	12,919	12,932	+0.2	-0.1	+1.2	12,023	13,170	12,028	11,329	+6.1	86,472	79,754
Petroleum and coal products	14,984	14,981	15,104	0.0	-0.8	+1.1	15,275	15,669	15,812	15,091	+1.2	105,777	99,848
Rubber and plastics products	12,526	12,268	12,171	+2.1	+0.8	-4.1	11,593	13,106	12,687	11,186	+3.6	87,107	84,444
All other nondurable goods	24,593	24,320	24,023	+1.1	+1.2	-0.8	23,983	24,510	22,586	23,239	+3.2	163,206	159,122

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96	1997[p]	1996
All manufacturing industries	330,282	329,554	324,042	+0.2	+1.7	-0.5	299,236	348,136	323,870	287,081	+4.2	2,259,346	2,154,906
anufacturing industries													
vith unfilled orders	183,757	185,772	181,087	-1.1	+2.6	+0.1	164,457	198,219	177,233	157,996	+4.1	1,258,424	1,199,921
vithout defense capital goods	324,400	323,283	318,519	+0.3	+1.5	-0.2	295,402	341,723	319,928	283,920	+4.0	2,221,026	2,109,788
rable goods industries	180,972	181,584	176,443	-0.3	+2.9	-0.4	154,782	194,554	175,342	147,034	+5.3	1,233,358	1,166,291
Vith unfilled orders	146,555	148,943	145,130	-1.6	+2.6	+0.2	128,360	160,194	141,875	123,036	+4.3	1,007,223	952,012
one, clay, and glass products	7,597	7,593	7,507	+0.1	+1.1	-2.1	7,624	8,169	7,726	6,984	+9.2	52,215	47,177
mary metals	16,267	15,694	15,516	+3.7	+1.1	-2.4	14,855	15,736	15,544	13,451	+10.4	111,196	103,570
Blast furnaces, steel mills	6,548	6,460	6,235	+1.4	+3.6	-4.3	6,018	6,390	6,244	5,695	+5.7	45,369	43,356
Iron and steel foundries	1,615	1,543	1,505	+4.7	+2.5	-1.1	1,336	1,645	1,521	1,217	+9.8	10,911	10,318
Nonferrous and other primary metals	8,104	7,691	7,776	+5.4	-1.1	-1.2	7,501	7,701	7,779	6,539	+14.7	54,916	49,896
bricated metal products	19,241	19,299	18,692	-0.3	+3.2	-3.2	17,425	20,631	18,988	16,353	+6.6	132,347	124,528
lustrial machinery and equipment	35,287	33,103	32,753	+6.6	+1.1	-3.3	30,149	37,482	32,280	27,177	+10.9	231,372	217,856
Engines and turbines	1,890	1,464	1,497	+29.1	-2.2	-14.3	1,480	1,791	1,416	1,631	-9.3	11,061	11,712
Construction, mining and material handling equipment	3,952	3,853	3,659	+2.6	+5.3	-7.5	3,383	3,971	3,594	2,922	+15.8	26,998	24,567
Metalworking machinery	3,460	3,086	3,236	+12.1	-4.6	-8.8	2,859	3,489	3,187	2,737	+4.5	22,431	20,777
Computer and office equipment	9,401	8,781	8,632	+7.1	+1.7	+1.1	7,308	11,562	7,949	6,719	+8.8	58,782	55,502
ctronic and other lectrical equipment	26,104	30,045	30,851	-13.1	-2.6	+10.6	23,411	31,744	29,509	26,156	-10.5	198,143	180,746
Electrical transmission and distribution equipment and industrial apparatus	3,297	3,188	3,229	+3.4	-1.3	-4.1	3,064	3,452	3,136	3,240	-5.4	22,963	21,984
Electric lighting and wiring equipment	2,335	2,053	2,089	+13.7	-1.7	-7.8	1,988	2,131	2,089	1,837	+8.2	14,562	13,895
Communications equipment	6,319	7,408	6,721	-14.7	+10.2	+11.7	5,314	8,405	6,230	5,119	+3.8	43,349	36,660
Electronic components	8,786	11,733	13,433	-25.1	-12.7	+26.5	8,362	11,770	12,858	11,337	-26.2	79,911	72,368
nsportation equipment	41,411	42,905	39,423	-3.5	+8.8	-0.7	28,552	45,570	39,590	28,973	-1.5	282,736	288,618
Aircraft, missiles, space vehicles, and parts.	8,809	11,272	8,851	-21.9	+27.4	+1.5	6,440	12,121	7,255	8,161	-21.1	64,036	76,212
Shipbuilding and tanks	561	903	959	-37.9	-5.8	+38.6	441	1,168	948	207	+113.0	4,939	6,773
truments and related products	14,999	13,354	12,429	+12.3	+7.4	-6.3	13,483	14,562	12,111	10,822	+24.6	91,720	82,349
Search and navigation equipment	4,537	2,878	2,046	+57.6	+40.7	-22.2	3,963	3,119	1,753	1,495	+165.1	19,630	15,381
Measuring and controlling devices	4,024	3,925	3,887	+2.5	+1.0	+1.8	3,454	4,223	3,883	3,183	+8.5	26,590	24,757
Medical instruments and supplies	4,105	3,972	4,042	+3.3	-1.7	-7.0	3,970	4,222	4,001	3,984	-0.4	28,544	26,791
other durable goods	20,066	19,591	19,272	+2.4	+1.7	-1.1	19,283	20,660	19,594	17,118	+12.6	133,629	121,447
ndurable goods industries	149,310	147,970	147,599	+0.9	+0.3	-0.6	144,454	153,582	148,528	140,047	+3.1	1,025,988	988,615
Vith unfilled orders	37,202	36,829	35,957	+1.0	+2.4	-0.6	36,097	38,025	35,358	34,960	+3.3	251,201	247,909

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), anufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96
All manufacturing industries	521,352	523,928	522,689	-0.5	+0.2	+0.1	523,006	523,505	526,202	507,940	+3.0
Manufacturing industries without defense capital goods	413,843	415,902	414,272	-0.5	+0.4	+0.3	416,024	414,766	416,634	399,148	+4.2
Durable goods industries	495,067	498,111	497,214	-0.6	+0.2	+0.1	495,509	496,962	500,042	482,487	+2.7
Stone, clay, and glass products	6,722	6,887	6,794	-2.4	+1.4	-0.7	6,800	6,867	6,879	6,703	+1.4
Primary metals	31,755	31,064	30,795	+2.2	+0.9	+1.1	31,774	31,053	31,553	29,386	+8.1
Blast furnaces, steel mills	12,871	12,594	12,421	+2.2	+1.4	+1.3	12,948	12,655	12,831	12,570	+3.0
Iron and steel foundries	4,951	4,858	4,760	+1.9	+2.1	+1.8	4,991	4,927	4,837	4,230	+18.0
Nonferrous and other primary metals	13,933	13,612	13,614	+2.4	0.0	+0.8	13,835	13,471	13,885	12,586	+9.9
Fabricated metal products	26,251	25,988	25,574	+1.0	+1.6	+0.5	26,678	26,111	25,599	23,671	+12.7
Industrial machinery and equipment	73,035	72,784	73,965	+0.3	-1.6	-0.4	72,347	71,821	74,077	72,128	+0.3
Engines and turbines	11,604	11,704	12,143	-0.9	-3.6	-3.1	11,288	11,205	11,623	11,601	-2.7
Construction, mining and material handling equipment	9,271	9,145	9,051	+1.4	+1.0	-0.6	9,104	9,180	9,255	8,744	+4.1
Metalworking machinery	7,933	8,092	8,564	-2.0	-5.5	-2.3	7,933	8,092	8,564	8,820	-10.1
Computer and office equipment	8,788	8,878	9,425	-1.0	-5.8	-1.8	8,920	8,844	9,664	10,049	-11.2
Electronic and other electrical equipment	51,258	54,427	53,943	-5.8	+0.9	+4.1	51,637	53,579	54,197	51,195	+0.9
Electrical transmission and distribution equipment and industrial apparatus	6,615	6,681	6,768	-1.0	-1.3	-0.2	6,636	6,593	6,810	6,459	+2.7
Electric lighting and wiring equipment	4,629	4,449	4,478	+4.0	-0.6	-0.6	4,629	4,449	4,478	4,262	+8.6
Communications equipment	14,808	15,135	14,250	-2.2	+6.2	+2.7	14,825	15,173	14,241	14,180	+4.5
Electronic components	19,161	22,172	22,462	-13.6	-1.3	+8.9	19,468	21,381	22,669	21,204	-8.2
Transportation equipment	249,081	251,839	251,349	-1.1	+0.2	-0.6	248,850	252,314	252,320	245,549	+1.3
Aircraft, missiles, space vehicles, and parts	217,795	220,092	219,314	-1.0	+0.4	-0.8	217,468	220,725	220,441	213,186	+2.0
Shipbuilding and tanks	18,090	18,443	18,471	-1.9	-0.2	-0.2	18,202	18,608	18,479	18,849	-3.4
Instruments and related products	48,821	47,231	47,066	+3.4	+0.4	-0.4	48,662	47,144	47,095	45,871	+6.1
Search and navigation equipment	29,442	27,661	27,489	+6.4	+0.6	-1.9	29,225	27,703	27,522	27,540	+6.1
Measuring and controlling devices	9,862	9,997	10,071	-1.4	-0.7	+1.3	9,862	9,997	10,071	9,656	+2.1
Medical instruments and supplies	7,764	7,849	8,050	-1.1	-2.5	+0.3	7,725	7,614	8,011	7,708	+0.2
All other durable goods	8,144	7,891	7,728	+3.2	+2.1	+1.7	8,761	8,073	8,322	7,984	+9.7
Nondurable goods industries	26,285	25,817	25,475	+1.8	+1.3	-0.3	27,497	26,543	26,160	25,453	+8.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96
All manufacturing industries	446,962	444,823	443,460	+0.5	+0.3	+0.4	448,651	442,780	447,620	431,983	+3.9
Manufacturing industries with unfilled orders	297,273	295,299	294,347	+0.7	+0.3	+0.4	300,216	295,050	298,467	288,321	+4.1
without defense capital goods	430,935	428,890	427,309	+0.5	+0.4	+0.5	432,193	426,657	431,223	414,521	+4.3
Durable goods industries	281,075	279,166	278,084	+0.7	+0.4	+0.4	282,708	277,739	281,375	270,828	+4.4
With unfilled orders	258,065	256,084	255,054	+0.8	+0.4	+0.4	260,241	255,462	258,489	248,183	+4.9
Stone, clay, and glass products	8,702	8,774	8,749	-0.8	+0.3	+0.8	8,781	8,897	8,993	8,468	+3.7
Primary metals	24,767	24,749	24,694	+0.1	+0.2	+0.1	24,878	24,627	24,697	24,250	+2.6
Blast furnaces, steel mills	12,039	12,126	12,223	-0.7	-0.8	+0.3	12,027	11,903	12,078	11,720	+2.6
Iron and steel foundries	1,654	1,668	1,679	-0.8	-0.7	+0.1	1,644	1,701	1,726	1,617	+1.7
Nonferrous and other primary metals	11,074	10,955	10,792	+1.1	+1.5	0.0	11,207	11,023	10,893	10,913	+2.7
Fabricated metal products	28,572	28,495	28,289	+0.3	+0.7	+0.2	28,859	28,858	28,663	27,512	+4.9
Industrial machinery and equipment	60,167	59,767	59,635	+0.7	+0.2	+0.4	60,298	59,000	60,721	59,572	+1.2
Engines and turbines	3,646	3,624	3,641	+0.6	-0.5	-1.3	3,715	3,556	3,661	3,723	-0.2
Farm and garden machinery	3,319	3,285	3,231	+1.0	+1.7	+1.8	3,083	3,120	3,133	2,815	+9.5
Construction, mining and material handling equipment	7,877	7,762	7,645	+1.5	+1.5	+0.3	7,790	7,787	7,771	7,318	+6.4
Metalworking machinery	7,341	7,326	7,431	+0.2	-1.4	-0.7	7,503	7,290	7,559	7,324	+2.4
Computer and office equipment	12,041	11,891	11,950	+1.3	-0.5	+1.0	12,330	11,424	12,484	13,171	-6.4
Electronic and other electrical equipment	40,362	39,712	39,690	+1.6	+0.1	+0.4	40,942	39,622	40,413	39,741	+3.0
Electrical transmission and distribution equipment and industrial apparatus	5,316	5,316	5,315	0.0	0.0	+1.0	5,349	5,269	5,355	5,081	+5.3
Household appliances	2,871	2,804	2,785	+2.4	+0.7	+0.1	2,831	2,841	3,004	2,669	+6.1
Electric lighting and wiring equipment	3,376	3,355	3,366	+0.6	-0.3	+0.6	3,460	3,400	3,461	3,340	+3.6
Household audio and video equipment	1,654	1,496	1,528	+10.6	-2.1	-1.0	1,767	1,547	1,568	1,791	-1.3
Communications equipment	11,019	10,609	10,525	+3.9	+0.8	+1.2	11,059	10,449	10,858	9,961	+11.0
Electronic components	12,574	12,638	12,702	-0.5	-0.5	-0.6	12,800	12,555	12,642	13,404	-4.5
Transportation equipment	66,854	66,398	66,107	+0.7	+0.4	+0.6	67,124	65,575	66,672	61,582	+9.0
Motor vehicles and parts	17,047	16,950	17,339	+0.6	-2.2	+1.4	17,052	16,348	17,282	16,732	+1.9
Aircraft, missiles, space vehicles, and parts	45,055	44,739	44,044	+0.7	+1.6	+0.3	45,341	44,622	44,637	40,060	+13.2
Shipbuilding and tanks	1,590	1,615	1,577	-1.5	+2.4	-6.5	1,590	1,596	1,601	1,672	-4.9
Instruments and related products	25,002	24,874	24,690	+0.5	+0.7	0.0	25,290	24,983	24,890	24,557	+3.0
Search and navigation equipment	6,322	6,257	6,219	+1.0	+0.6	+0.5	6,449	6,276	6,263	6,093	+5.8
Measuring and controlling devices	7,908	7,905	7,759	0.0	+1.9	+0.2	8,003	7,951	7,786	7,691	+4.1
Medical instruments and supplies	7,835	7,775	7,763	+0.8	+0.2	-0.6	7,859	7,795	7,824	7,493	+4.9
Photographic goods	2,287	2,292	2,309	-0.2	-0.7	-0.7	2,324	2,307	2,366	2,670	-13.0
All other durable goods	26,649	26,397	26,230	+1.0	+0.6	+0.6	26,536	26,177	26,326	25,146	+5.5
Nondurable goods industries	165,887	165,657	165,376	+0.1	+0.2	+0.5	165,943	165,041	166,245	161,155	+3.0
With unfilled orders	39,208	39,215	39,293	0.0	-0.2	+0.4	39,975	39,588	39,978	40,138	-0.4
Food and kindred products	35,138	35,198	35,060	-0.2	+0.4	+0.4	34,052	33,615	33,766	33,483	+1.7
Meat products	3,866	3,856	3,841	+0.3	+0.4	+1.3	3,866	3,903	3,923	3,721	+3.9
Dairy products	3,148	3,233	3,235	-2.6	-0.1	0.0	3,296	3,305	3,250	3,244	+1.6
Beverages	6,677	6,660	6,691	+0.3	-0.5	+0.4	6,550	6,595	6,691	6,462	+1.4
All other foods, except fats and oils	19,631	19,539	19,388	+0.5	+0.8	+0.4	18,649	17,996	18,024	18,143	+2.8
Tobacco products	6,251	6,201	6,238	+0.8	-0.6	0.0	5,695	5,718	5,957	5,279	+7.9
Textile mill products	10,240	10,217	10,155	+0.2	+0.6	0.0	10,383	10,296	10,488	10,095	+2.9
Broadwoven fabrics and other textiles	6,369	6,360	6,327	+0.1	+0.5	+0.1	6,445	6,368	6,488	6,346	+1.6
Paper and allied products	15,828	15,822	15,948	0.0	-0.8	-0.1	15,763	15,760	16,200	16,455	-4.2
Pulp, paper, and paperboard mill products	6,558	6,557	6,590	0.0	-0.5	+0.1	6,479	6,470	6,668	6,886	-5.9
Paperboard containers and boxes	3,831	3,802	3,894	+0.8	-2.4	-0.8	3,823	3,778	3,934	3,912	-2.3
Miscellaneous converted paper products	5,439	5,463	5,464	-0.4	0.0	+0.2	5,461	5,512	5,598	5,657	-3.5
Chemicals and allied products	42,578	42,361	42,045	+0.5	+0.8	+0.1	42,712	42,404	42,577	40,285	+6.0
Industrial chemicals	19,539	19,593	19,510	-0.3	+0.4	+0.4	19,539	19,468	19,483	18,840	+3.7
Drugs, soaps, and toiletries	17,783	17,538	17,414	+1.4	+0.7	-0.3	18,121	17,860	17,957	16,604	+9.1
Petroleum and coal products	12,202	12,356	12,621	-1.2	-2.1	+1.8	12,410	12,654	13,025	12,209	+1.6
Rubber and plastics products	16,295	16,248	16,231	+0.3	+0.1	+1.2	16,288	16,254	16,415	15,296	+6.5
All other nondurable goods	27,355	27,254	27,078	+0.4	+0.6	+1.1	28,640	28,340	27,817	28,053	+2.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	332,858	328,315	323,567	+1.4	+1.5	-1.0	299,735	350,833	325,261	280,761	+6.8	2,248,559	2,124,000
Market categories :													
Automotive equipment	15,009	14,305	13,602	+4.9	+5.2	-3.8	10,018	15,099	14,571	9,263	+8.2	98,752	95,431
Home goods and apparel	19,170	19,089	18,784	+0.4	+1.6	-2.3	17,780	20,072	17,692	16,919	+5.1	127,287	121,271
Consumer staples	69,489	69,049	69,120	+0.6	-0.1	+1.0	67,377	70,747	68,755	65,100	+3.5	472,199	451,126
Machinery and equipment	61,886	59,788	58,194	+3.5	+2.7	-0.8	51,351	67,651	57,552	44,377	+15.7	401,522	367,254
Business supplies	25,498	25,463	25,163	+0.1	+1.2	+0.4	24,200	26,707	25,248	23,447	+3.2	174,825	167,914
Construction materials and supplies	21,240	20,746	20,597	+2.4	+0.7	-2.1	20,600	22,308	21,126	19,380	+6.3	142,925	133,157
Defense products	6,791	7,013	6,646	-3.2	+5.5	-1.5	6,037	7,577	6,424	5,507	+9.6	45,730	43,265
Other materials, supplies and and intermediate products	113,775	112,862	111,461	+0.8	+1.3	-1.8	102,372	120,672	113,893	96,768	+5.8	785,319	744,582
Durable goods industries :													
Nondefense capital goods [3]	48,183	46,773	45,601	+3.0	+2.6	-0.1	41,352	54,540	43,627	35,045	+18.0	310,107	280,724
Excluding aircraft and parts	40,500	40,000	38,533	+1.3	+3.8	+0.3	34,651	46,733	36,914	30,692	+12.9	264,089	246,640
Defense capital goods [4]	6,399	6,662	6,316	-3.9	+5.5	-1.6	5,591	7,242	6,094	5,109	+9.4	43,016	40,628
Durables excluding capital goods	129,434	127,252	123,983	+1.7	+2.6	-1.9	109,292	135,852	127,118	101,134	+8.1	872,300	816,465
Miscellaneous series :													
Producers' durable equipment	118,523	115,667	112,189	+2.5	+3.1	-1.6	95,998	128,141	112,917	86,166	+11.4	783,552	730,258
Household durable goods	9,745	9,953	9,553	-2.1	+4.2	-0.1	8,416	10,522	9,073	7,844	+7.3	64,317	59,783
Information technology industries	22,825	22,295	21,369	+2.4	+4.3	+1.0	18,743	26,904	19,801	16,351	+14.6	144,423	132,128
Health care equipment and products	11,226	11,191	11,038	+0.3	+1.4	+0.6	10,386	11,779	10,434	9,731	+6.7	75,282	69,799
NEW ORDERS													
All manufacturing industries	330,282	329,554	324,042	+0.2	+1.7	-0.5	299,236	348,136	323,870	287,081	+4.2	2,259,346	2,154,906
Market categories :													
Automotive equipment	15,010	14,310	13,605	+4.9	+5.2	-3.8	10,089	15,070	14,507	9,363	+7.8	98,967	95,466
Home goods and apparel	19,402	19,274	19,100	+0.7	+0.9	-0.2	18,319	20,243	18,156	16,904	+8.4	129,313	123,458
Consumer staples	69,567	69,173	69,140	+0.6	0.0	+0.9	67,732	70,981	68,781	65,525	+3.4	472,759	451,661
Machinery and equipment	61,396	60,205	57,217	+2.0	+5.2	-0.1	51,284	67,076	56,772	47,426	+8.1	405,314	385,750
Business supplies	25,599	25,550	25,276	+0.2	+1.1	+0.4	24,430	26,661	25,575	23,652	+3.3	175,593	168,435
Construction materials and supplies	21,531	20,896	20,613	+3.0	+1.4	-3.4	21,000	22,442	21,094	19,538	+7.5	144,277	133,785
Defense products	6,346	6,690	5,959	-5.1	+12.3	-10.8	4,400	6,833	4,462	3,494	+25.9	40,975	47,502
Other materials, supplies and and intermediate products	111,431	113,456	113,132	-1.8	+0.3	-0.1	101,982	118,830	114,523	101,179	+0.8	792,148	748,849
Durable goods industries :													
Nondefense capital goods [3]	47,284	47,211	44,211	+0.2	+6.8	+1.1	40,723	54,053	42,344	38,625	+5.4	311,463	298,979
Excluding aircraft and parts	41,920	39,512	38,325	+6.1	+3.1	-0.6	36,341	45,320	36,813	32,245	+12.7	268,781	249,633
Defense capital goods [4]	5,882	6,271	5,523	-6.2	+13.5	-11.9	3,834	6,413	3,942	3,161	+21.3	38,320	45,118
Durables excluding capital goods	127,806	128,102	126,709	-0.2	+1.1	-0.3	110,225	134,088	129,056	105,248	+4.7	883,575	822,194
Miscellaneous series :													
Producers' durable equipment	118,506	116,141	111,464	+2.0	+4.2	-1.3	97,512	127,006	112,454	90,395	+7.9	791,069	749,199
Household durable goods	9,940	10,182	9,846	-2.4	+3.4	+2.5	8,931	10,680	9,491	7,908	+12.9	66,078	60,856
Information technology industries	24,085	22,715	21,443	+6.0	+5.9	+2.2	20,168	27,037	20,372	17,140	+17.7	148,652	132,878
Health care equipment and products	11,143	10,992	11,067	+1.4	-0.7	-2.0	10,502	11,384	10,551	10,134	+3.6	75,595	70,193

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96
UNFILLED ORDERS											
All manufacturing industries	521,352	523,928	522,689	-0.5	+0.2	+0.1	523,006	523,505	526,202	507,940	+3.0
Market categories :											
Automotive equipment	2,410	2,410	2,405	0.0	+0.2	+0.1	2,419	2,347	2,376	2,271	+6.5
Home goods and apparel	8,739	8,506	8,321	+2.7	+2.2	+3.9	9,532	8,993	8,822	9,689	-1.6
Consumer staples	2,450	2,372	2,248	+3.3	+5.5	+0.9	2,719	2,364	2,129	2,414	+12.6
Machinery and equipment	232,221	232,712	232,296	-0.2	+0.2	-0.4	232,364	232,431	233,006	226,827	+2.4
Business supplies	7,150	7,050	6,963	+1.4	+1.2	+1.6	7,377	7,147	7,193	6,861	+7.5
Construction materials and supplies	17,259	16,967	16,817	+1.7	+0.9	+0.1	17,480	17,080	16,946	16,072	+8.8
Defense products	102,863	103,308	103,632	-0.4	-0.3	-0.7	102,351	103,989	104,732	103,926	-1.5
Other materials, supplies and and intermediate products	148,260	150,603	150,007	-1.6	+0.4	+1.1	148,764	149,154	150,998	139,880	+6.4
Durable goods industries :											
Nondefense capital goods [3]	251,285	252,184	251,746	-0.4	+0.2	-0.5	250,879	251,508	251,995	244,608	+2.6
Excluding aircraft and parts	98,873	97,453	97,941	+1.5	-0.5	-0.2	98,467	96,777	98,190	96,642	+1.9
Defense capital goods [4]	107,509	108,026	108,417	-0.5	-0.4	-0.7	106,982	108,739	109,568	108,792	-1.7
Durables excluding capital goods	136,273	137,901	137,051	-1.2	+0.6	+2.0	137,648	136,715	138,479	129,087	+6.6
Miscellaneous series :											
Producers' durable equipment	269,931	269,948	269,474	0.0	+0.2	-0.3	270,527	269,013	270,148	263,270	+2.8
Household durable goods	6,110	5,915	5,686	+3.3	+4.0	+5.4	6,561	6,046	5,888	6,033	+8.8
Information technology industries	39,188	37,928	37,508	+3.3	+1.1	+0.2	39,319	37,894	37,761	37,258	+5.5
Health care equipment and products	7,804	7,887	8,086	-1.1	-2.5	+0.3	7,768	7,653	8,048	7,738	+0.4
TOTAL INVENTORIES											
All manufacturing industries	446,962	444,823	443,460	+0.5	+0.3	+0.4	448,651	442,780	447,620	431,983	+3.9
Market categories :											
Automotive equipment	8,405	8,402	8,472	0.0	-0.8	+1.8	8,370	8,128	8,538	8,311	+0.7
Home goods and apparel	32,763	32,273	31,914	+1.5	+1.1	+0.7	33,651	33,271	33,075	31,830	+5.7
Consumer staples	69,097	68,912	68,871	+0.3	+0.1	+0.4	68,199	67,677	68,342	65,517	+4.1
Machinery and equipment	113,261	112,218	111,159	+0.9	+1.0	+0.5	113,466	111,056	113,084	105,628	+7.4
Business supplies	26,595	26,560	26,501	+0.1	+0.2	+0.9	27,003	26,702	26,870	26,265	+2.8
Construction materials and supplies	27,468	27,388	27,233	+0.3	+0.6	+0.5	27,643	27,546	27,541	26,541	+4.2
Defense products	15,741	15,649	15,881	+0.6	-1.5	-1.1	16,100	15,804	16,101	16,879	-4.6
Other materials, supplies and and intermediate products	153,632	153,421	153,429	+0.1	0.0	+0.3	154,219	152,596	154,069	151,012	+2.1
Durable goods industries :											
Nondefense capital goods [3]	107,286	106,207	105,149	+1.0	+1.0	+0.6	107,759	105,154	107,182	99,664	+8.1
Excluding aircraft and parts	72,091	71,271	71,085	+1.2	+0.3	+0.5	72,633	70,533	72,756	71,142	+2.1
Defense capital goods [4]	16,027	15,933	16,151	+0.6	-1.3	-1.1	16,458	16,123	16,397	17,462	-5.7
Durables excluding capital goods	157,762	157,026	156,784	+0.5	+0.2	+0.4	158,491	156,462	157,796	153,702	+3.1
Miscellaneous series :											
Producers' durable equipment	183,434	181,742	180,613	+0.9	+0.6	+0.7	184,170	180,463	183,192	173,025	+6.4
Household durable goods	16,482	16,110	15,962	+2.3	+0.9	+0.6	16,725	16,331	16,416	15,375	+8.8
Information technology industries	35,354	34,832	34,572	+1.5	+0.8	+0.8	35,861	34,255	35,524	35,551	+0.9
Health care equipment and products	17,480	17,289	17,213	+1.1	+0.4	-0.4	17,686	17,480	17,565	16,505	+7.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1997[p]	June 1997[r]	May 1997	June-July	May-June	Apr.-May	July 1997[p]	June 1997[r]	May 1997	July 1996	July 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	147,545	147,068	146,533	+0.3	+0.4	+0.3	147,742	145,923	146,110	146,004	+1.2
Durable goods industries	86,779	86,081	85,373	+0.8	+0.8	+0.4	87,137	84,974	84,860	85,394	+2.0
Stone, clay, and glass products	2,912	2,892	2,885	+0.7	+0.2	-1.1	2,912	2,897	2,888	2,831	+2.9
Primary metals	8,027	7,962	7,923	+0.8	+0.5	-0.3	7,992	7,807	7,732	7,534	+6.1
Fabricated metal products	10,482	10,387	10,302	+0.9	+0.8	-1.2	10,513	10,381	10,241	10,165	+3.4
Industrial machinery and equipment	18,270	18,318	17,990	-0.3	+1.8	+1.0	18,339	18,134	18,093	19,115	-4.1
Electronic and other electrical equipment	13,955	13,695	13,704	+1.9	-0.1	+0.4	14,159	13,557	13,719	13,952	+1.5
Transportation equipment	14,737	14,421	14,266	+2.2	+1.1	+0.6	14,901	14,163	14,264	14,190	+5.0
Instruments and related products	8,316	8,264	8,142	+0.6	+1.5	+0.6	8,384	8,290	8,188	7,915	+5.9
Lumber, furniture and miscellaneous durable goods	10,080	10,142	10,161	-0.6	-0.2	+1.2	9,937	9,745	9,735	9,692	+2.5
Nondurable goods industries	60,766	60,987	61,160	-0.4	-0.3	+0.2	60,605	60,949	61,250	60,610	0.0
Food and kindred products	11,204	11,244	11,256	-0.4	-0.1	0.0	10,859	11,022	11,025	11,202	-3.1
Tobacco products	5,246	5,275	5,227	-0.5	+0.9	-0.1	4,930	4,997	5,127	4,587	+7.5
Textile mill products	3,137	3,140	3,137	-0.1	+0.1	-2.2	3,178	3,156	3,222	2,986	+6.4
Paper and allied products	7,718	7,697	7,811	+0.3	-1.5	-0.7	7,632	7,598	7,846	7,971	-4.3
Chemicals and allied products	14,189	14,166	14,072	+0.2	+0.7	-0.5	14,315	14,341	14,196	13,710	+4.4
Petroleum and coal products	3,561	3,624	3,807	-1.7	-4.8	+5.5	3,611	3,755	3,929	3,595	+0.4
Rubber and plastics products	6,220	6,211	6,251	+0.1	-0.6	+0.5	6,290	6,193	6,260	6,164	+2.0
Apparel, printing and publishing and leather goods	9,491	9,630	9,599	-1.4	+0.3	+0.7	9,790	9,887	9,645	10,395	-5.8
WORK IN PROCESS											
All manufacturing industries	141,448	140,623	140,724	+0.6	-0.1	+0.6	142,500	139,631	141,781	135,575	+5.1
Durable goods industries	113,793	113,043	112,939	+0.7	+0.1	+0.3	114,755	112,447	114,142	109,278	+5.0
Stone, clay, and glass products	1,169	1,186	1,279	-1.4	-7.3	+2.2	1,206	1,226	1,348	1,246	-3.2
Primary metals	8,827	8,862	8,808	-0.4	+0.6	+0.3	8,983	8,875	8,851	8,901	+0.9
Fabricated metal products	8,128	8,006	7,984	+1.5	+0.3	+1.1	8,216	7,986	8,057	7,827	+5.0
Industrial machinery and equipment	22,677	22,675	22,769	0.0	-0.4	-0.6	22,898	22,562	23,172	22,696	+0.9
Electronic and other electrical equipment	14,914	14,830	14,738	+0.6	+0.6	+0.6	15,087	14,800	14,916	15,145	-0.4
Transportation equipment	42,695	42,267	42,312	+1.0	-0.1	+0.5	42,743	41,721	42,643	38,217	+11.8
Instruments and related products	10,203	10,080	10,003	+1.2	+0.8	0.0	10,389	10,122	10,068	10,113	+2.7
Lumber, furniture and miscellaneous durable goods	5,180	5,137	5,046	+0.8	+1.8	+1.3	5,233	5,155	5,087	5,133	+1.9
Nondurable goods industries	27,655	27,580	27,785	+0.3	-0.7	+1.5	27,745	27,184	27,639	26,297	+5.5
Food and kindred products	5,032	4,992	5,073	+0.8	-1.6	+2.5	4,646	4,594	4,638	4,340	+7.1
Tobacco products	220	225	226	-2.2	-0.4	+4.1	164	154	164	168	-2.4
Textile mill products	2,562	2,554	2,568	+0.3	-0.5	+1.0	2,588	2,536	2,602	2,596	-0.3
Paper and allied products	1,676	1,690	1,694	-0.8	-0.2	+1.1	1,718	1,726	1,726	1,729	-0.6
Chemicals and allied products	7,494	7,444	7,423	+0.7	+0.3	+1.3	7,673	7,491	7,548	6,904	+11.1
Petroleum and coal products	2,606	2,641	2,720	-1.3	-2.9	-2.0	2,624	2,657	2,799	2,663	-1.5
Rubber and plastics products	2,229	2,211	2,244	+0.8	-1.5	+3.2	2,198	2,147	2,254	2,020	+8.8
Apparel, printing and publishing and leather goods	5,836	5,823	5,837	+0.2	-0.2	+2.4	6,134	5,879	5,908	5,877	+4.4
FINISHED GOODS											
All manufacturing industries	157,969	157,132	156,203	+0.5	+0.6	+0.5	158,409	157,226	159,729	150,404	+5.3
Durable goods industries	80,503	80,042	79,772	+0.6	+0.3	+0.5	80,816	80,318	82,373	76,156	+6.1
Stone, clay, and glass products	4,621	4,696	4,585	-1.6	+2.4	+1.6	4,663	4,774	4,757	4,391	+6.2
Primary metals	7,913	7,925	7,963	-0.2	-0.5	+0.4	7,903	7,945	8,114	7,815	+1.1
Fabricated metal products	9,962	10,102	10,003	-1.4	+1.0	+1.0	10,130	10,491	10,365	9,520	+6.4
Industrial machinery and equipment	19,220	18,774	18,876	+2.4	-0.5	+1.1	19,061	18,304	19,456	17,761	+7.3
Electronic and other electrical equipment	11,493	11,187	11,248	+2.7	-0.5	+0.1	11,696	11,265	11,778	10,644	+9.9
Transportation equipment	9,422	9,710	9,529	-3.0	+1.9	+0.7	9,480	9,691	9,765	9,175	+3.3
Instruments and related products	6,483	6,530	6,545	-0.7	-0.2	-0.8	6,517	6,571	6,634	6,529	-0.2
Lumber, furniture and miscellaneous durable goods	11,389	11,118	11,023	+2.4	+0.9	-0.2	11,366	11,277	11,504	10,321	+10.1
Nondurable goods industries	77,466	77,090	76,431	+0.5	+0.9	+0.5	77,593	76,908	77,356	74,248	+4.5
Food and kindred products	18,902	18,962	18,731	-0.3	+1.2	0.0	18,547	17,999	18,103	17,941	+3.4
Tobacco products	785	701	785	+12.0	-10.7	-1.1	601	567	666	524	+14.7
Textile mill products	4,541	4,523	4,450	+0.4	+1.6	+1.0	4,617	4,604	4,664	4,513	+2.3
Paper and allied products	6,434	6,435	6,443	0.0	-0.1	+0.4	6,413	6,436	6,628	6,755	-5.1
Chemicals and allied products	20,895	20,751	20,550	+0.7	+1.0	+0.1	20,724	20,572	20,833	19,671	+5.4
Petroleum and coal products	6,035	6,091	6,094	-0.9	0.0	+1.3	6,175	6,242	6,297	5,951	+3.8
Rubber and plastics products	7,846	7,826	7,736	+0.3	+1.2	+1.2	7,800	7,914	7,901	7,112	+9.7
Apparel, printing and publishing and leather goods	12,028	11,801	11,642	+1.9	+1.4	+0.7	12,716	12,574	12,264	11,781	+7.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1997[p]	June 1997[r]	May 1997	Apr. 1997	July 1997[p]	June 1997[r]	May 1997	Apr. 1997
All manufacturing industries	1.34	1.35	1.37	1.35	2.80	2.84	2.89	2.86
urable goods industries	1.53	1.55	1.58	1.55	3.31	3.36	3.44	3.40
Stone, clay, and glass products	1.12	1.17	1.16	1.14	0.91	0.97	0.95	0.95
Primary metals	1.59	1.60	1.63	1.60	2.04	2.01	2.03	1.97
Fabricated metal products	1.51	1.51	1.52	1.49	1.47	1.46	1.47	1.43
Industrial machinery and equipment	1.72	1.74	1.80	1.78	2.23	2.26	2.38	2.37
Electronic and other electrical equipment	1.38	1.34	1.38	1.39	1.75	1.84	1.88	1.82
Transportation equipment	1.51	1.57	1.61	1.55	10.79	11.17	11.29	11.08
Instruments and related products	1.86	1.89	1.95	1.91	3.64	3.58	3.72	3.65
ondurable goods industries	1.11	1.12	1.12	1.11	0.72	0.71	0.71	0.71
Food and kindred products	0.87	0.88	0.87	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.96	1.94	1.95	2.04	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.52	1.50	1.48	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.19	1.19	1.21	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.30	1.29	1.28	1.27	(X)	(X)	(X)	(X)
Petroleum and coal products	0.81	0.82	0.84	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.32	1.33	1.26	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1997	July[2] 1992-1996	July 1996-June 1997	July[1] 1997	July[2] 1992-1996	July 1996-June 1997	July[1] 1997	July[2] 1992-1996	July 1996-June 1997	July[1] 1997	July[2] 1992-1996	July 1996-June 1997
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
urable goods industries	0.1	0.3	0.2	0.3	0.3	0.3	0.0	0.0	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.5	(X)	1.3	0.9	(X)	0.7	0.7	(X)	0.2	0.2
Primary metals	0.0	0.2	0.2	0.2	0.7	0.8	0.2	0.3	0.3	(X)	0.2	0.0
Fabricated metal products	(X)	0.3	0.3	(X)	0.3	0.6	(X)	0.2	0.4	(X)	0.1	0.1
Industrial machinery and equipment	0.8	0.2	0.5	0.7	0.2	0.7	-0.2	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.2	0.4	0.5	0.5	0.6	1.1	0.1	0.2	0.6	(X)	0.1	0.1
Transportation equipment	0.0	0.6	0.4	0.0	0.6	1.1	0.0	0.1	0.2	(X)	0.3	0.1
Instruments and related products	(X)	0.3	0.5	(X)	0.6	1.1	(X)	0.1	0.2	(X)	0.2	0.2
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.6	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.1
Chemicals and allied products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
Rubber and plastics products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
apital goods industries :												
Nondefense	0.7	0.2	0.4	0.8	0.6	0.6	-0.1	0.1	0.1	(X)	0.1	0.1
Defense	0.0	0.5	0.6	0.4	2.5	3.7	0.0	0.2	0.2	(X)	0.4	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

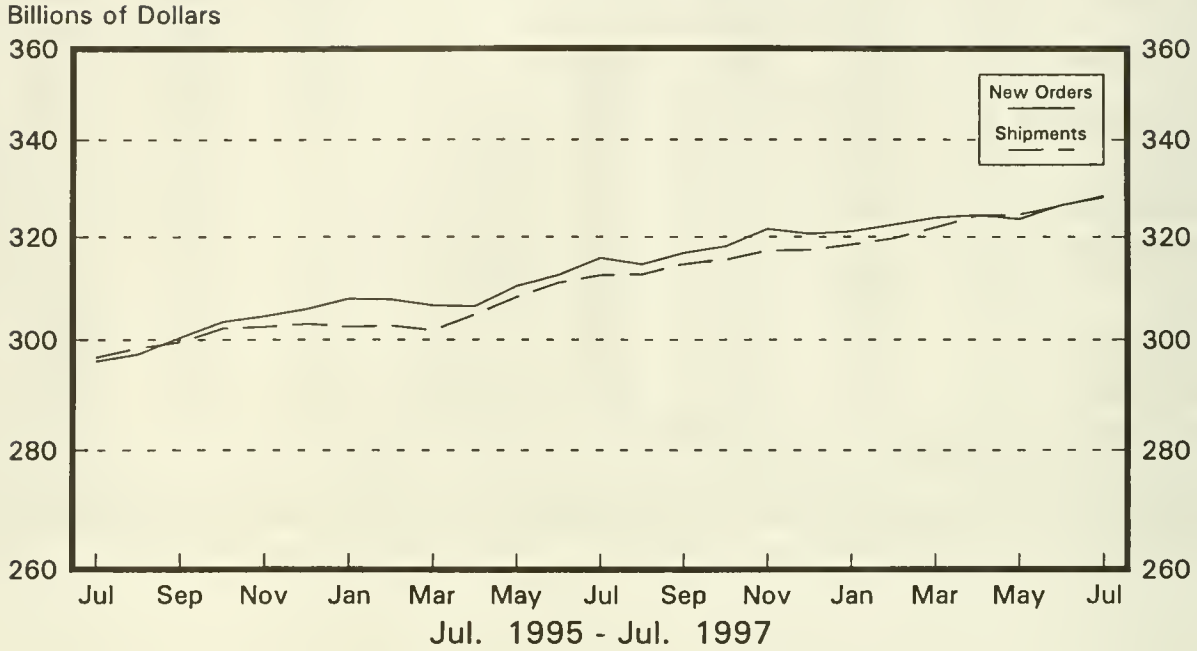
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

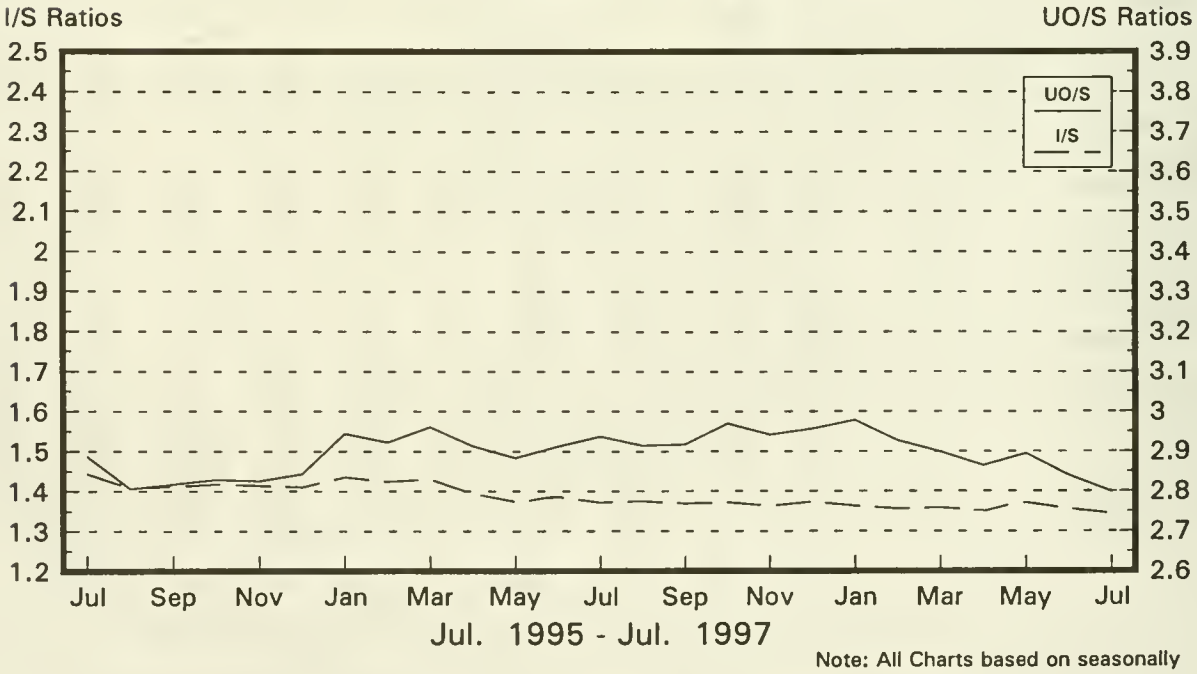
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

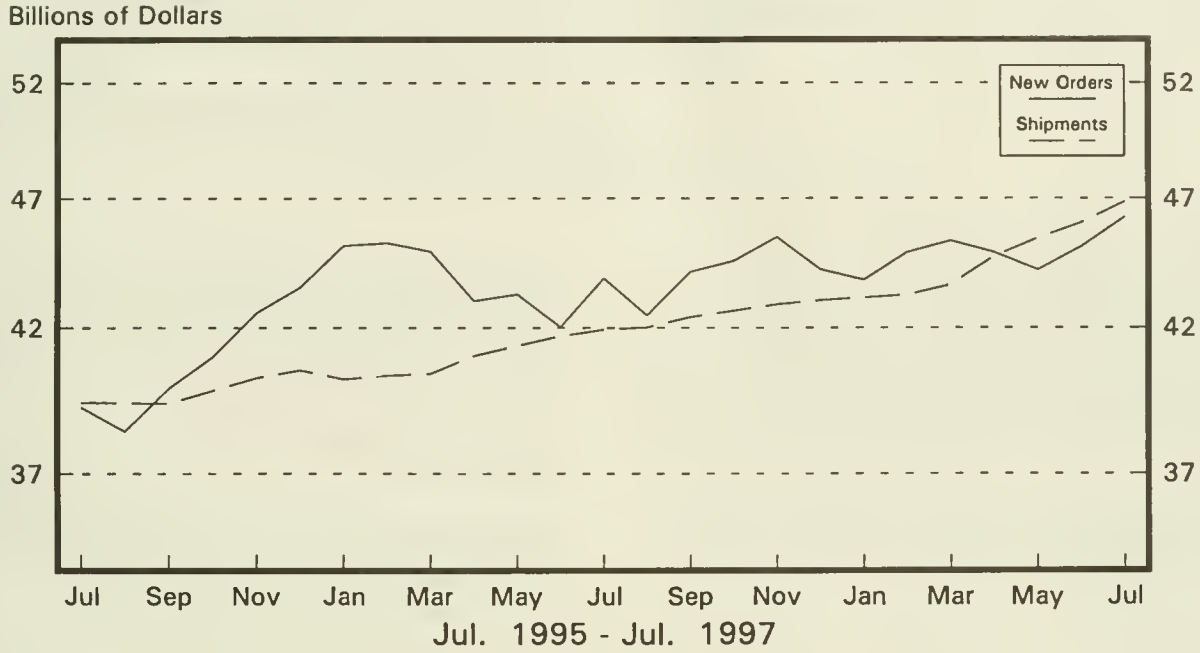
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

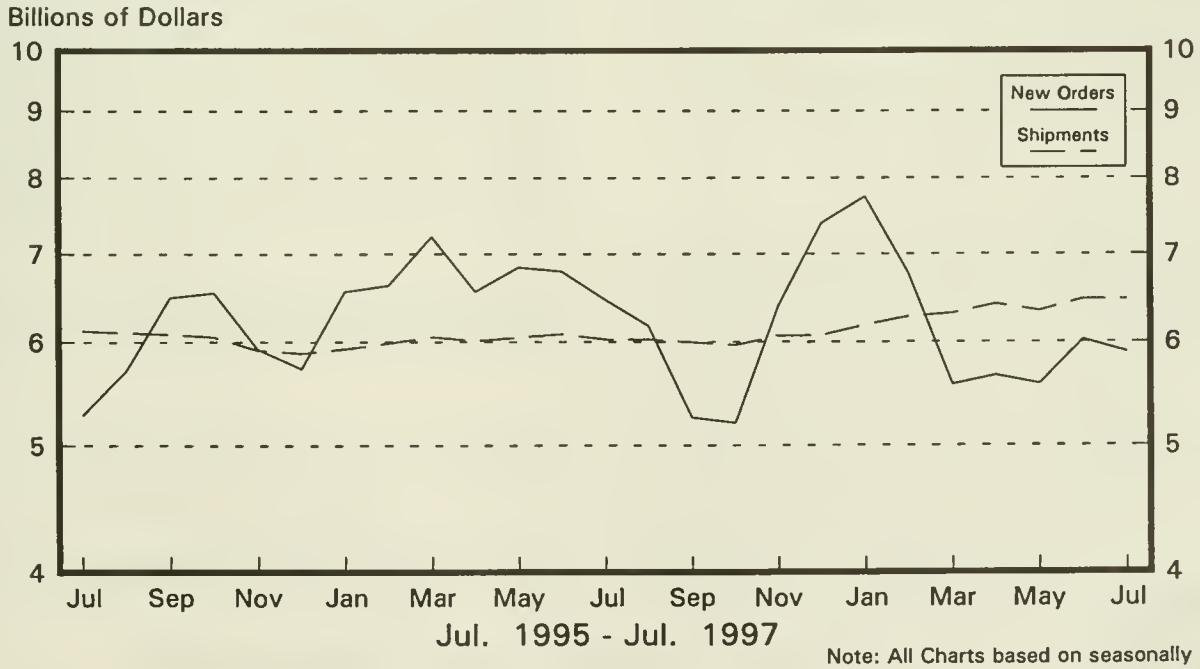
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August increased $4.3 billion or 1.3 percent to $335.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.5 percent July increase and is the third consecutive monthly increase. Excluding transportation, new orders increased 0.8 percent, following a 1.0 percent July increase. Year to date, new orders are 5.2 percent above the same period a year ago.

Shipments decreased $2.5 billion or 0.8 percent to $330.4 billion, following a 1.4 percent July increase. This is the first decline since May and the third this year. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, up three of the last four months, increased $5.1 billion or 1.0 percent to $527.2 billion, following a 0.3 percent July decrease. The unfilled orders-to-shipments ratio was 2.86, up from 2.80 in July.

Inventories, up thirteen of the last fourteen months, increased $1.9 billion or 0.4 percent to $448.5 billion, following a 0.4 percent July increase. The inventories-to-shipments ratio was 1.36, up from 1.34 in July.

New Orders

New orders for manufactured durable goods in August increased $4.9 billion or 2.7 percent to $186.5 billion, unrevised from the previously published 2.7 percent increase. This follows a 0.1 percent July increase and is the third consecutive monthly increase.

Electronic and other electrical equipment, up for the first month since May, had the largest increase, $7.5 billion or 28.4 percent to $33.8 billion, mostly due to electronic components. This follows a 12.2 percent July decrease. Transportation equipment, up two of the last three months, increased $2.1 billion or 5.0 percent to $43.8 billion, as a large increase in aircraft and parts more than offset decreases in the other components. This follows a 2.7 percent July decrease. Instruments and related products, down for the first month since May, decreased $2.6 billion or 16.8 percent to $12.8 billion. This follows increases of 15.2 percent in July and 7.4 percent in June. Primary metals, down for the first month since May, decreased $0.6 billion or 3.8 percent to $15.6 billion, following a 3.6 percent July increase. Industrial machinery and equipment, down for the first month since May, decreased $0.4 billion or 1.0 percent to $34.7 billion. This follows a 6.1 percent July increase.

New orders for nondurable goods, down for the first month since May, decreased $0.6 billion or 0.4 percent to $148.9 billion, following a 1.0 percent July increase. Declines, led by printing and publishing, paper and allied products, and textile mill products, more than offset increases led by petroleum and coal products.

Shipments

Shipments of durable goods in August, down for the first month since May, decreased $2.7 billion or 1.4 percent to $181.2 billion, unrevised from the previously published 1.4 percent decline. This follows a 1.7 percent July increase.

Transportation equipment, down for the first month since May, had the largest decrease, $1.0 billion or 2.3 percent to $43.0 billion, due to aircraft and parts and motor vehicles and parts. This follows a 3.6 percent July increase. Industrial machinery and equipment, also down for the first month since May, decreased $0.8 billion or 2.2 percent to $34.2 billion, following a 1.9 percent July increase. Instruments and related products decreased $0.3 billion or 2.1 percent to $13.1 billion. This follows increases of 1.1 percent in July and 4.3 percent in June. Stone, clay, and glass products, down three of the last four months, decreased $0.3 billion or 3.4 percent to $7.6 billion. This follows a 4.8 percent July increase. Primary metals decreased $0.2 billion or 1.3 percent to $15.4 billion, following increases of 0.9 percent in July and 1.7 percent in June. Electronic and other electrical equipment, up three of the last four months, increased $0.6 billion or 2.0 percent to $30.0 billion. This follows a 0.6 percent July decrease.

Shipments of nondurable goods, up for the second consecutive month, increased $0.2 billion or 0.1 percent to $149.2 billion. This follows a 1.0 percent July increase. Petroleum and coal products had the largest increase, $0.9 billion or 6.0 percent to $16.1 billion. This follows a 1.5 percent July increase.

Unfilled Orders

Unfilled orders for durable goods in August increased $5.4 billion or 1.1 percent to $501.3 billion, unrevised from the previously published 1.1 percent increase. This follows a 0.4 percent July decrease and is the third increase in the last four months.

Electronic and other electrical equipment, up three of the last four months, had the largest increase, $3.9 billion or 7.6 percent to $55.3 billion. This follows a 5.5 percent July decrease. Transportation equipment increased $0.9 billion or 0.4 percent to $250.5 billion, due to aircraft and parts. This follows a 0.9 percent July decrease and is the second increase in the last three months. Industrial machinery and equipment, up for the second consecutive month, increased $0.6 billion or 0.8 percent to $73.5 billion, following a 0.2 percent July increase. Primary metals, up for the eighth consecutive month, increased $0.3 billion or 0.9 percent to $32.0 billion, following a 2.2 percent July increase. Instruments and related products, down for the first month since May, decreased $0.3 billion or 0.5 percent to $49.0 billion, following a 4.4 percent July increase.

Inventories

Inventories of durable goods in August, up thirteen of the last fourteen months, increased $1.3 billion or 0.5 percent to $282.1 billion. This follows a 0.6 percent July increase. Transportation equipment, up for the twentieth consecutive month, increased $0.6 billion or 0.9 percent to $67.5 billion. This follows a 0.8 percent July increase. Primary metals, up for the fourth consecutive month, increased $0.2 billion or 0.6 percent to $25.0 billion, following a 0.2 percent July increase. Industrial machinery and equipment, up for the fifth consecutive month, increased $0.1 billion or 0.2 percent to $60.3 billion. This follows a 0.7 percent July increase.

Inventories of nondurable goods, up twelve of the last thirteen months, increased $0.7 billion or 0.4 percent to $166.5 billion, following a 0.1 percent July increase. Led by petroleum and coal products and food and kindred products, nearly all industries increased.

By stage of fabrication, August finished goods increased 0.8 percent in durables and 0.5 percent in nondurables. Work in process increased 0.8 percent in durables and 1.2 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and 0.1 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for September is scheduled for October 29, 1997 at 8:30 a.m. and the full report on November 5, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96	1997[p]	1996
All manufacturing industries	330,389	332,895	328,315	-0.8	+1.4	+1.5	331,993	299,786	350,833	316,500	+4.9	2,580,603	2,440,500
Manufacturing Industries													
with unfilled orders	184,439	186,534	184,533	-1.1	+1.1	+2.2	183,713	165,286	200,916	172,750	+6.3	1,431,680	1,341,765
without defense capital goods	324,208	326,549	321,653	-0.7	+1.5	+1.4	326,066	294,187	343,591	310,675	+5.0	2,531,652	2,394,047
Durable goods industries	181,168	183,827	180,687	-1.4	+1.7	+2.7	178,846	156,290	197,634	167,484	+6.8	1,404,324	1,305,301
With unfilled orders	147,809	149,492	148,046	-1.1	+1.0	+2.4	145,401	129,870	163,274	135,334	+7.4	1,144,746	1,058,872
Stone, clay, and glass products	7,593	7,858	7,500	-3.4	+4.8	-0.7	8,143	7,847	8,181	7,557	+7.8	60,291	54,840
Primary metals	15,367	15,569	15,425	-1.3	+0.9	+1.7	15,308	14,101	16,236	14,463	+5.8	123,135	115,839
Blast furnaces, steel mills	6,172	6,263	6,287	-1.5	-0.4	+3.4	6,147	5,729	6,566	6,056	+1.5	50,107	48,350
Iron and steel foundries	1,473	1,560	1,445	-5.6	+8.0	+1.6	1,532	1,272	1,555	1,475	+3.9	11,744	11,098
Nonferrous and other primary metals	7,722	7,746	7,693	-0.3	+0.7	+0.4	7,629	7,100	8,115	6,932	+10.1	61,284	56,391
Fabricated metal products	19,095	19,042	18,885	+0.3	+0.8	+1.7	19,659	16,916	20,119	18,836	+4.4	149,616	141,882
Industrial machinery and equipment	34,168	34,949	34,284	-2.2	+1.9	+3.7	31,869	29,593	39,738	29,817	+6.9	263,028	246,258
Engines and turbines	1,955	1,987	1,903	-1.6	+4.4	+0.7	1,695	1,399	2,209	1,536	+10.4	14,171	13,941
Farm and garden machinery	2,170	2,261	2,049	-4.0	+10.3	+3.6	1,801	1,783	2,041	1,583	+13.8	17,233	15,767
Construction, mining and material handling equipment	3,935	3,858	3,759	+2.0	+2.6	+1.2	3,801	3,477	4,046	3,339	+13.8	30,342	27,530
Metalworking machinery	3,515	3,587	3,558	-2.0	+0.8	+3.5	3,325	3,008	3,961	2,938	+13.2	26,023	23,061
Computer and office equipment	9,384	9,473	9,328	-0.9	+1.6	+5.9	8,380	7,205	12,382	7,758	+8.0	67,996	62,657
Electronic and other electrical equipment	29,956	29,370	29,561	+2.0	-0.6	+2.9	29,382	25,362	32,362	26,037	+12.8	223,759	205,06
Electrical transmission and distribution equipment and industrial apparatus	3,241	3,352	3,275	-3.3	+2.4	+1.1	3,198	3,019	3,669	3,137	+1.9	25,825	24,74
Household appliances	1,986	1,987	2,078	-0.1	-4.4	+6.9	2,073	1,849	2,398	2,024	+2.4	16,035	15,61
Electric lighting and wiring equipment	2,127	2,152	2,082	-1.2	+3.4	-1.6	2,112	1,809	2,160	2,021	+4.5	16,460	15,53
Household audio and video equipment	1,281	1,287	1,412	-0.5	-8.9	+4.4	1,367	1,127	1,281	1,380	-0.9	9,396	8,80
Communications equipment	6,932	6,653	6,523	+4.2	+2.0	+2.8	6,320	5,627	7,473	5,025	+25.8	47,209	41,00
Electronic components	12,297	11,931	12,023	+3.1	-0.8	+3.6	12,260	10,342	13,058	10,312	+18.9	92,531	82,80
Transportation equipment	42,954	43,943	42,415	-2.3	+3.6	+3.3	42,101	32,018	45,576	39,759	+5.9	331,724	307,36
Motor vehicles and parts	30,084	30,313	28,945	-0.8	+4.7	+4.1	29,900	19,961	30,582	28,543	+4.8	231,320	221,29
Aircraft, missiles, space vehicles, and parts	10,203	10,977	10,494	-7.1	+4.6	-0.2	9,567	9,692	11,837	8,650	+10.6	79,039	64,24
Shipbuilding and tanks	886	918	931	-3.5	-1.4	-7.0	859	856	1,039	795	+8.1	7,058	7,15
Instruments and related products	13,051	13,328	13,189	-2.1	+1.1	+4.3	12,743	11,959	14,513	12,070	+5.6	101,607	95,10
Search and navigation equipment	2,640	2,751	2,706	-4.0	+1.7	+4.9	2,550	2,441	2,938	2,425	+5.2	20,572	19,04
Measuring and controlling devices	3,987	4,043	3,999	-1.4	+1.1	+6.4	3,959	3,501	4,297	3,664	+8.1	30,346	28,48
Medical instruments and supplies	4,067	4,152	4,173	-2.0	-0.5	+4.0	3,982	3,828	4,619	3,869	+2.9	32,196	30,27
Photographic goods	1,885	1,909	1,860	-1.3	+2.6	-0.2	1,776	1,712	2,162	1,733	+2.5	14,900	14,41
All other durable goods	18,984	19,768	19,428	-4.0	+1.8	+1.5	19,641	18,494	20,909	18,945	+3.7	151,164	138,95
Nondurable goods industries	149,221	149,068	147,628	+0.1	+1.0	0.0	153,147	143,496	153,199	149,016	+2.8	1,176,279	1,135,19
With unfilled orders	36,630	37,042	36,487	-1.1	+1.5	+1.3	38,312	35,416	37,642	37,416	+2.4	286,934	282,89
Food and kindred products	40,168	40,251	40,071	-0.2	+0.4	-0.4	40,797	38,735	40,765	40,413	+1.0	315,834	307,79
Meat products	9,047	9,012	8,888	+0.4	+1.4	-0.3	9,382	8,861	9,022	9,308	+0.8	70,613	69,26
Dairy products	5,048	5,001	4,949	+0.9	+1.1	-3.2	5,144	4,844	5,067	5,159	-0.3	39,791	38,64
Beverages	5,843	5,880	5,723	-0.6	+2.7	-1.8	6,351	6,280	6,509	6,213	+2.2	47,179	46,16
All other foods, except fats and oils	18,239	18,445	18,599	-1.1	-0.8	+0.9	17,929	16,837	18,255	17,760	+1.0	142,207	138,52
Tobacco products	3,185	3,180	3,189	+0.2	-0.3	-0.2	3,325	3,180	3,219	3,119	+6.6	25,163	22,70
Textile mill products	6,776	6,951	6,716	-2.5	+3.5	-0.8	7,165	6,220	7,456	6,923	+3.5	53,966	51,56
Broadwoven fabrics and other textiles	4,091	4,273	4,100	-4.3	+4.2	-0.9	4,283	3,672	4,450	4,291	-0.2	33,213	32,22
Paper and allied products	13,339	13,364	13,327	-0.2	+0.3	+0.9	13,641	13,047	13,959	13,614	+0.2	106,502	108,78
Pulp, paper, and paperboard mill products	5,246	5,200	5,123	+0.9	+1.5	-0.9	5,377	5,157	5,353	5,426	-0.9	41,994	44,20
Paperboard containers and boxes	3,184	3,233	3,212	-1.5	+0.7	0.0	3,267	3,125	3,295	3,338	-2.1	25,957	26,60
Miscellaneous converted paper products	4,909	4,931	4,992	-0.4	-1.2	+3.5	4,997	4,765	5,311	4,850	+3.0	38,551	37,97
Chemicals and allied products	32,650	32,748	32,756	-0.3	0.0	-0.6	32,344	31,112	34,515	31,217	+3.6	262,498	247,20
Industrial chemicals	15,890	15,921	15,823	-0.2	+0.6	-0.4	16,097	15,447	16,732	15,581	+3.3	128,979	122,27
Drugs, soaps, and toiletries	12,741	12,836	12,919	-0.7	-0.6	-0.1	12,537	11,931	13,170	12,055	+4.0	98,917	91,80
Petroleum and coal products	16,129	15,211	14,981	+6.0	+1.5	-0.8	16,718	15,350	15,669	15,620	+7.0	122,570	115,46
Rubber and plastics products	12,363	12,508	12,268	-1.2	+2.0	+0.8	12,646	11,610	13,106	12,340	+2.5	99,770	96,78
All other nondurable goods	24,611	24,855	24,320	-1.0	+2.2	+1.2	26,511	24,242	24,510	25,770	+2.9	189,976	184,89

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96	1997[p]	1996
All manufacturing industries	335,457	331,138	329,554	+1.3	+0.5	+1.7	335,893	300,000	348,136	312,787	+7.4	2,596,003	2,467,693
lanufacturing industries with unfilled orders	189,507	184,777	185,772	+2.6	-0.5	+2.6	187,613	165,500	198,219	169,037	+11.0	1,447,080	1,368,958
without defense capital goods	329,416	325,161	323,283	+1.3	+0.6	+1.5	331,316	296,187	341,723	308,988	+7.2	2,553,127	2,418,776
urable goods industries	186,548	181,679	181,584	+2.7	+0.1	+2.9	183,572	155,513	194,554	164,086	+11.9	1,417,661	1,330,377
With unfilled orders	153,189	147,344	148,943	+4.0	-1.1	+2.6	150,127	129,093	160,194	131,936	+13.8	1,158,083	1,083,948
tone, clay, and glass products	7,451	7,566	7,593	-1.5	-0.4	+1.1	8,039	7,667	8,169	7,501	+7.2	60,297	54,678
rimary metals	15,639	16,258	15,694	-3.8	+3.6	+1.1	15,415	14,829	15,736	14,709	+4.8	126,585	118,279
Blast furnaces, steel mills	6,181	6,511	6,460	-5.1	+0.8	+3.6	6,104	6,032	6,390	6,044	+1.0	51,487	49,400
Iron and steel foundries	1,508	1,667	1,543	-9.5	+8.0	+2.5	1,483	1,349	1,645	1,499	-1.1	12,407	11,817
Nonferrous and other primary metals	7,950	8,080	7,691	-1.6	+5.1	-1.1	7,828	7,448	7,701	7,166	+9.2	62,691	57,062
abricated metal products	19,092	19,264	19,299	-0.9	-0.2	+3.2	19,570	17,470	20,631	18,947	+3.3	151,962	143,475
dustrial machinery and equipment	34,745	35,107	33,103	-1.0	+6.1	+1.1	32,427	30,018	37,482	30,107	+7.7	263,668	247,963
Engines and turbines	2,014	1,871	1,464	+7.6	+27.8	-2.2	1,903	1,485	1,791	1,666	+14.2	12,969	13,378
Construction, mining and material handling equipment	4,124	4,006	3,853	+2.9	+4.0	+5.3	3,851	3,397	3,971	3,237	+19.0	30,863	27,804
Metalworking machinery	3,633	3,425	3,086	+6.1	+11.0	-4.6	3,443	2,846	3,489	2,981	+15.5	25,861	23,758
Computer and office equipment	9,267	9,362	8,781	-1.0	+6.6	+1.7	8,280	7,284	11,562	7,871	+5.2	67,038	63,373
ectronic and other lectrical equipment	33,840	26,365	30,045	+28.4	-12.2	-2.6	34,032	23,487	31,744	25,828	+31.8	232,251	206,574
Electrical transmission and distribution equipment and industrial apparatus	3,183	3,271	3,188	-2.7	+2.6	-1.3	3,115	3,062	3,452	3,058	+1.9	26,076	25,042
Electric lighting and wiring equipment	2,237	2,329	2,053	-4.0	+13.4	-1.7	2,222	1,986	2,131	2,084	+6.6	16,782	15,979
Communications equipment	6,775	6,324	7,408	+7.1	-14.6	+10.2	6,152	5,271	8,405	4,623	+33.1	49,458	41,283
Electronic components	16,043	9,069	11,733	+76.9	-22.7	-12.7	16,542	8,519	11,770	10,307	+60.5	96,610	82,675
ansportation equipment	43,831	41,752	42,905	+5.0	-2.7	+8.8	42,090	28,898	45,570	36,738	+14.6	325,172	325,356
Aircraft, missiles, space vehicles, and parts.	11,616	8,884	11,272	+30.8	-21.2	+27.4	10,029	6,433	12,121	5,819	+72.3	74,058	82,031
Shipbuilding and tanks	509	549	903	-7.3	-39.2	-5.8	424	418	1,168	535	-20.7	5,340	7,308
struments and related products	12,799	15,387	13,354	-16.8	+15.2	+7.4	12,231	14,005	14,562	11,376	+7.5	104,473	93,725
Search and navigation equipment	2,407	4,494	2,878	-46.4	+56.2	+40.7	2,069	3,960	3,119	1,779	+16.3	21,696	17,160
Measuring and controlling devices	3,952	4,061	3,925	-2.7	+3.5	+1.0	3,924	3,519	4,223	3,543	+10.8	30,579	28,300
Medical instruments and supplies	4,222	4,100	3,972	+3.0	+3.2	-1.7	4,208	3,948	4,222	3,954	+6.4	32,730	30,745
ll other durable goods	19,151	19,980	19,591	-4.1	+2.0	+1.7	19,768	19,139	20,660	18,880	+4.7	153,253	140,327
ondurable goods industries	148,909	149,459	147,970	-0.4	+1.0	+0.3	152,321	144,487	153,582	148,701	+2.4	1,178,342	1,137,316
With unfilled orders	36,318	37,433	36,829	-3.0	+1.6	+2.4	37,486	36,407	38,025	37,101	+1.0	288,997	285,010

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, hich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further etails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96
All manufacturing industries	527,239	522,171	523,928	+1.0	-0.3	+0.2	527,619	523,719	523,505	504,227	+4.6
Manufacturing industries without defense capital goods	419,722	414,514	415,902	+1.3	-0.3	+0.4	422,016	416,766	414,766	397,461	+6.2
Durable goods industries	501,343	495,963	498,111	+1.1	-0.4	+0.2	500,911	496,185	496,962	479,089	+4.6
Stone, clay, and glass products	6,453	6,595	6,887	-2.2	-4.2	+1.4	6,583	6,687	6,867	6,647	-1.0
Primary metals	32,025	31,753	31,064	+0.9	+2.2	+0.9	31,888	31,781	31,053	29,632	+7.6
Blast furnaces, steel mills	12,851	12,842	12,594	+0.1	+2.0	+1.4	12,915	12,958	12,655	12,558	+2.8
Iron and steel foundries	5,000	4,965	4,858	+0.7	+2.2	+2.1	4,955	5,004	4,927	4,254	+16.5
Nonferrous and other primary metals	14,174	13,946	13,612	+1.6	+2.5	0.0	14,018	13,819	13,471	12,820	+9.3
Fabricated metal products	26,207	26,210	25,988	0.0	+0.9	+1.6	26,576	26,665	26,111	23,782	+11.7
Industrial machinery and equipment	73,519	72,942	72,784	+0.8	+0.2	-1.6	72,804	72,246	71,821	72,418	+0.5
Engines and turbines	11,647	11,588	11,704	+0.5	-1.0	-3.6	11,499	11,291	11,205	11,731	-2.0
Construction, mining and material handling equipment	9,482	9,293	9,145	+2.0	+1.6	+1.0	9,150	9,100	9,180	8,642	+5.9
Metalworking machinery	8,048	7,930	8,092	+1.5	-2.0	-5.5	8,048	7,930	8,092	8,863	-9.2
Computer and office equipment	8,650	8,767	8,878	-1.3	-1.3	-5.8	8,823	8,923	8,844	10,162	-13.2
Electronic and other electrical equipment	55,306	51,422	54,427	+7.6	-5.5	+0.9	56,354	51,704	53,579	50,986	+10.5
Electrical transmission and distribution equipment and industrial apparatus	6,542	6,600	6,681	-0.9	-1.2	-1.3	6,553	6,636	6,593	6,380	+2.7
Electric lighting and wiring equipment	4,736	4,626	4,449	+2.4	+4.0	-0.6	4,736	4,626	4,449	4,325	+9.5
Communications equipment	14,649	14,806	15,135	-1.1	-2.2	+6.2	14,649	14,817	15,173	13,778	+6.3
Electronic components	23,056	19,310	22,172	+19.4	-12.9	-1.3	23,840	19,558	21,381	21,199	+12.5
Transportation equipment	250,525	249,648	251,839	+0.4	-0.9	+0.2	249,183	249,194	252,314	242,528	+2.7
Aircraft, missiles, space vehicles, and parts	219,412	217,999	220,092	+0.6	-1.0	+0.4	217,928	217,466	220,725	210,355	+3.6
Shipbuilding and tanks	17,697	18,074	18,443	-2.1	-2.0	-0.2	17,735	18,170	18,608	18,589	-4.6
Instruments and related products	49,038	49,290	47,231	-0.5	+4.4	+0.4	48,678	49,190	47,144	45,177	+7.7
Search and navigation equipment	29,171	29,404	27,661	-0.8	+6.3	+0.6	28,741	29,222	27,703	26,894	+6.9
Measuring and controlling devices	9,980	10,015	9,997	-0.3	+0.2	-0.7	9,980	10,015	9,997	9,535	+4.7
Medical instruments and supplies	7,952	7,797	7,849	+2.0	-0.7	-2.5	7,960	7,734	7,614	7,793	+2.1
All other durable goods	8,270	8,103	7,891	+2.1	+2.7	+2.1	8,845	8,718	8,073	7,919	+11.7
Nondurable goods industries	25,896	26,208	25,817	-1.2	+1.5	+1.3	26,708	27,534	26,543	25,138	+6.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96
All manufacturing industries	448,542	446,602	444,823	+0.4	+0.4	+0.3	451,963	448,123	442,780	434,755	+4.0
anufacturing industries											
ith unfilled orders	298,471	297,046	295,299	+0.5	+0.6	+0.3	302,539	299,850	295,050	290,305	+4.2
ithout defense capital goods	432,531	430,559	428,890	+0.5	+0.4	+0.4	435,505	431,679	426,657	417,382	+4.3
urable goods industries	282,084	280,800	279,166	+0.5	+0.6	+0.4	285,054	282,366	277,739	273,129	+4.4
With unfilled orders	259,207	257,852	256,084	+0.5	+0.7	+0.4	262,459	259,899	255,462	250,215	+4.9
one, clay, and glass products	8,712	8,701	8,774	+0.1	-0.8	+0.3	8,683	8,780	8,897	8,412	+3.2
imary metals	24,963	24,802	24,749	+0.6	+0.2	+0.2	25,000	24,891	24,627	24,131	+3.6
Blast furnaces, steel mills	12,115	12,067	12,126	+0.4	-0.5	-0.8	12,079	12,041	11,903	11,772	+2.6
Iron and steel foundries	1,642	1,651	1,668	-0.5	-1.0	-0.7	1,614	1,644	1,701	1,599	+0.9
Nonferrous and other primary metals	11,206	11,084	10,955	+1.1	+1.2	+1.5	11,307	11,206	11,023	10,760	+5.1
bricated metal products	28,601	28,547	28,495	+0.2	+0.2	+0.7	28,684	28,818	28,858	27,471	+4.4
dustrial machinery and equipment	60,317	60,187	59,767	+0.2	+0.7	+0.2	61,168	60,363	59,000	60,370	+1.3
Engines and turbines	3,678	3,658	3,624	+0.5	+0.9	-0.5	3,896	3,718	3,556	3,904	-0.2
Farm and garden machinery	3,275	3,308	3,285	-1.0	+0.7	+1.7	3,069	3,083	3,120	2,846	+7.8
Construction, mining and material handling equipment	7,905	7,867	7,762	+0.5	+1.4	+1.5	7,842	7,788	7,787	7,390	+6.1
Metalworking machinery	7,276	7,312	7,326	-0.5	-0.2	-1.4	7,545	7,489	7,290	7,492	+0.7
Computer and office equipment	12,105	12,090	11,891	+0.1	+1.7	-0.5	12,710	12,391	11,424	13,355	-4.8
ectronic and other lectrical equipment	40,250	40,290	39,712	-0.1	+1.5	+0.1	40,965	40,899	39,622	39,964	+2.5
Electrical transmission and distribution equipment and industrial apparatus	5,257	5,285	5,316	-0.5	-0.6	0.0	5,319	5,322	5,269	5,111	+4.1
Household appliances	2,817	2,862	2,804	-1.6	+2.1	+0.7	2,741	2,834	2,841	2,687	+2.0
Electric lighting and wiring equipment	3,380	3,375	3,355	+0.1	+0.6	-0.3	3,448	3,457	3,400	3,321	+3.8
Household audio and video equipment	1,592	1,652	1,496	-3.6	+10.4	-2.1	1,710	1,767	1,547	1,783	-4.1
Communications equipment	10,953	10,990	10,609	-0.3	+3.6	+0.8	11,156	11,052	10,449	10,384	+7.4
Electronic components	12,784	12,586	12,638	+1.6	-0.4	-0.5	13,027	12,791	12,555	13,177	-1.1
ansportation equipment	67,504	66,896	66,398	+0.9	+0.8	+0.4	68,351	67,103	65,575	62,333	+9.7
Motor vehicles and parts	16,761	16,958	16,950	-1.2	0.0	-2.2	16,993	17,046	16,348	16,937	+0.3
Aircraft, missiles, space vehicles, and parts	46,018	45,193	44,739	+1.8	+1.0	+1.6	46,591	45,327	44,622	40,475	+15.1
Shipbuilding and tanks	1,573	1,587	1,615	-0.9	-1.7	+2.4	1,563	1,595	1,596	1,687	-7.4
truments and related products	25,024	25,000	24,874	+0.1	+0.5	+0.7	25,482	25,298	24,983	24,864	+2.5
Search and navigation equipment	6,352	6,321	6,257	+0.5	+1.0	+0.6	6,487	6,449	6,276	6,143	+5.6
Measuring and controlling devices	7,836	7,890	7,905	-0.7	-0.2	+1.9	7,961	7,999	7,951	7,767	+2.5
Medical instruments and supplies	7,893	7,855	7,775	+0.5	+1.0	+0.2	8,003	7,880	7,795	7,630	+4.9
Photographic goods	2,288	2,284	2,292	+0.2	-0.3	-0.7	2,373	2,317	2,307	2,704	-12.2
l other durable goods	26,713	26,377	26,397	+1.3	-0.1	+0.6	26,721	26,214	26,177	25,584	+4.4
ndurable goods industries	166,458	165,802	165,657	+0.4	+0.1	+0.2	166,909	165,757	165,041	161,626	+3.3
With unfilled orders	39,264	39,194	39,215	+0.2	-0.1	-0.2	40,080	39,951	39,588	40,090	0.0
od and kindred products	35,269	35,103	35,198	+0.5	-0.3	+0.4	35,110	33,963	33,615	34,299	+2.4
Meat products	3,888	3,868	3,856	+0.5	+0.3	+0.4	3,810	3,867	3,903	3,636	+4.8
Dairy products	3,133	3,128	3,233	+0.2	-3.2	-0.1	3,230	3,273	3,305	3,233	-0.1
Beverages	6,820	6,737	6,660	+1.2	+1.2	-0.5	6,718	6,601	6,595	6,514	+3.1
All other foods, except fats and oils	19,637	19,558	19,539	+0.4	+0.1	+0.8	19,794	18,531	17,996	19,100	+3.6
bacco products	6,175	6,223	6,201	-0.8	+0.4	-0.6	5,835	5,695	5,718	5,564	+4.9
xtile mill products	10,287	10,241	10,217	+0.4	+0.2	+0.6	10,374	10,380	10,296	10,095	+2.8
Broadwoven fabrics and other textiles	6,393	6,361	6,360	+0.5	0.0	+0.5	6,431	6,432	6,368	6,341	+1.4
per and allied products	15,848	15,859	15,822	-0.1	+0.2	-0.8	15,870	15,800	15,760	16,529	-4.0
Pulp, paper, and paperboard mill products	6,518	6,550	6,557	-0.5	-0.1	-0.5	6,525	6,478	6,470	6,968	-6.4
Paperboard containers and boxes	3,834	3,831	3,802	+0.1	+0.8	-2.4	3,822	3,821	3,778	3,887	-1.7
Miscellaneous converted paper products	5,496	5,478	5,463	+0.3	+0.3	0.0	5,523	5,501	5,512	5,674	-2.7
emicals and allied products	42,591	42,547	42,361	+0.1	+0.4	+0.8	42,545	42,675	42,404	40,353	+5.4
Industrial chemicals	19,757	19,611	19,593	+0.7	+0.1	+0.4	19,698	19,592	19,468	18,904	+4.2
Drugs, soaps, and toiletries	17,547	17,697	17,538	-0.8	+0.9	+0.7	17,845	18,057	17,860	16,671	+7.0
troleum and coal products	12,370	12,171	12,356	+1.6	-1.5	-2.1	12,451	12,325	12,654	12,079	+3.1
ubber and plastics products	16,423	16,299	16,248	+0.8	+0.3	+0.1	16,194	16,281	16,254	15,138	+7.0
l other nondurable goods	27,495	27,359	27,254	+0.5	+0.4	+0.6	28,530	28,638	28,340	27,569	+3.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1997p	July 1997r	June 1997	July-Aug.	June-July	May-June	Aug. 1997p	July 1997r	June 1997	Aug. 1996	Aug. 97/96	1997p	1996
SHIPMENTS													
All manufacturing industries	330,389	332,895	328,315	-0.8	+1.4	+1.5	331,993	299,786	350,833	316,500	+4.9	2,580,603	2,440,500
Market categories :													
Automotive equipment	14,788	14,937	14,305	-1.0	+4.4	+5.2	14,647	10,014	15,099	14,055	+4.2	113,395	109,486
Home goods and apparel	18,843	19,104	19,089	-1.4	+0.1	+1.6	20,056	17,772	20,072	19,619	+2.2	147,335	140,890
Consumer staples	69,785	69,346	69,049	+0.6	+0.4	-0.1	71,192	67,061	70,747	69,061	+3.1	543,075	520,187
Machinery and equipment	60,259	61,741	59,788	-2.4	+3.3	+2.7	57,215	51,380	67,651	52,640	+8.7	458,766	419,894
Business supplies	25,727	25,697	25,463	+0.1	+0.9	+1.2	26,063	24,324	26,707	24,873	+4.8	201,012	192,787
Construction materials and supplies	20,818	21,382	20,746	-2.6	+3.1	+0.7	22,055	20,743	22,308	21,234	+3.9	165,123	154,391
Defense products	6,539	6,737	7,013	-2.9	-3.9	+5.5	6,330	6,037	7,577	6,238	+1.5	52,060	49,503
Other materials, supplies and and intermediate products	113,630	113,951	112,862	-0.3	+1.0	+1.3	114,435	102,455	120,672	108,780	+5.2	899,837	853,362
Durable goods industries :													
Nondefense capital goods [3]	46,894	48,058	46,773	-2.4	+2.7	+2.6	43,853	41,286	54,540	39,835	+10.1	353,894	320,559
Excluding aircraft and parts	39,947	40,454	40,000	-1.3	+1.1	+3.8	37,453	34,588	46,733	34,471	+8.7	301,479	281,111
Defense capital goods [4]	6,181	6,346	6,662	-2.6	-4.7	+5.5	5,927	5,599	7,242	5,825	+1.8	48,951	46,453
Durables excluding capital goods	128,093	129,423	127,252	-1.0	+1.7	+2.6	129,066	109,405	135,852	121,824	+5.9	1,001,479	938,289
Miscellaneous series :													
Producers' durable equipment	116,624	118,171	115,667	-1.3	+2.2	+3.1	113,568	95,863	128,141	106,377	+6.8	896,985	836,635
Household durable goods	9,488	9,660	9,953	-1.8	-2.9	+4.2	9,664	8,380	10,522	9,390	+2.9	73,945	69,173
Information technology industries	22,718	22,774	22,295	-0.2	+2.1	+4.3	21,009	18,700	26,904	18,846	+11.5	165,389	150,974
Health care equipment and products	10,994	11,131	11,191	-1.2	-0.5	+1.4	10,805	10,307	11,779	10,427	+3.6	86,008	80,226
NEW ORDERS													
All manufacturing industries	335,457	331,138	329,554	+1.3	+0.5	+1.7	335,893	300,000	348,136	312,787	+7.4	2,596,003	2,467,693
Market categories :													
Automotive equipment	14,827	14,946	14,310	-0.8	+4.4	+5.2	14,746	10,087	15,070	14,107	+4.5	113,711	109,573
Home goods and apparel	18,663	19,575	19,274	-4.7	+1.6	+0.9	19,703	18,622	20,243	19,471	+1.2	149,319	142,929
Consumer staples	69,699	69,431	69,173	+0.4	+0.4	0.0	71,106	67,446	70,981	69,053	+3.0	543,579	520,714
Machinery and equipment	61,534	61,599	60,205	-0.1	+2.3	+5.2	58,395	51,584	67,076	50,723	+15.1	464,009	436,473
Business supplies	25,619	25,759	25,550	-0.5	+0.8	+1.1	25,934	24,548	26,661	24,869	+4.3	201,645	193,304
Construction materials and supplies	20,862	21,574	20,896	-3.3	+3.2	+1.4	22,019	21,058	22,442	21,237	+3.7	166,354	155,022
Defense products	6,345	6,423	6,690	-1.2	-4.0	+12.3	4,898	4,368	6,833	4,266	+14.8	45,841	51,768
Other materials, supplies and and intermediate products	117,908	111,831	113,456	+5.4	-1.4	+0.3	119,092	102,287	118,830	109,061	+9.2	911,545	857,910
Durable goods industries :													
Nondefense capital goods [3]	47,832	47,412	47,211	+0.9	+0.4	+6.8	44,729	40,917	54,053	37,706	+18.6	356,386	336,685
Excluding aircraft and parts	39,959	42,136	39,512	-5.2	+6.6	+3.1	37,403	36,547	45,320	33,765	+10.8	306,390	283,398
Defense capital goods [4]	6,041	5,977	6,271	+1.1	-4.7	+13.5	4,577	3,813	6,413	3,799	+20.5	42,876	48,917
Durables excluding capital goods	132,675	128,290	128,102	+3.4	+0.1	+1.1	134,266	110,783	134,088	122,581	+9.5	1,018,399	944,775
Miscellaneous series :													
Producers' durable equipment	117,776	118,555	116,141	-0.7	+2.1	+4.2	114,988	97,741	127,006	105,127	+9.4	906,286	854,326
Household durable goods	9,290	10,105	10,182	-8.1	-0.8	+3.4	9,389	9,212	10,680	9,368	+0.2	75,748	70,224
Information technology industries	22,295	24,153	22,715	-7.7	+6.3	+5.9	20,605	20,273	27,037	18,137	+13.6	169,362	151,015
Health care equipment and products	11,152	11,082	10,992	+0.6	+0.8	-0.7	11,034	10,431	11,384	10,513	+5.0	86,558	80,706

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mater handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96
UNFILLED ORDERS											
All manufacturing industries	527,239	522,171	523,928	+1.0	-0.3	+0.2	527,619	523,719	523,505	504,227	+4.6
Market categories :											
Automotive equipment	2,457	2,418	2,410	+1.6	+0.3	+0.2	2,518	2,420	2,347	2,323	+8.4
Home goods and apparel	8,796	8,977	8,506	-2.0	+5.5	+2.2	9,490	9,842	8,993	9,541	-0.5
Consumer staples	2,372	2,458	2,372	-3.5	+3.6	+5.5	2,663	2,750	2,364	2,406	+10.7
Machinery and equipment	233,845	232,570	232,712	+0.5	-0.1	+0.2	233,815	232,635	232,431	224,910	+4.0
Business supplies	7,003	7,112	7,050	-1.5	+0.9	+1.2	7,242	7,371	7,147	6,857	+5.6
Construction materials and supplies	17,202	17,159	16,967	+0.3	+1.1	+0.9	17,358	17,395	17,080	16,074	+8.0
Defense products	102,801	102,995	103,308	-0.2	-0.3	-0.3	100,888	102,319	103,989	101,954	-1.0
Other materials, supplies and and intermediate products	152,763	148,482	150,603	+2.9	-1.4	+0.4	153,645	148,987	149,154	140,162	+9.6
urable goods industries :											
Nondefense capital goods [3]	252,476	251,538	252,184	+0.4	-0.3	+0.2	252,015	251,139	251,508	242,479	+3.9
Excluding aircraft and parts	99,147	99,135	97,453	0.0	+1.7	-0.5	98,686	98,736	96,777	95,936	+2.9
Defense capital goods [4]	107,517	107,657	108,026	-0.1	-0.3	-0.4	105,603	106,953	108,739	106,766	-1.1
Durables excluding capital goods	141,350	136,768	137,901	+3.4	-0.8	+0.6	143,293	138,093	136,715	129,844	+10.4
liscellaneous series :											
Producers' durable equipment	271,484	270,332	269,948	+0.4	+0.1	+0.2	272,311	270,891	269,013	262,020	+3.9
Household durable goods	6,162	6,360	5,915	-3.1	+7.5	+4.0	6,603	6,878	6,046	6,011	+9.8
Information technology industries	38,884	39,307	37,928	-1.1	+3.6	+1.1	39,063	39,467	37,894	36,549	+6.9
Health care equipment and products	7,995	7,838	7,887	+2.0	-0.6	-2.5	8,006	7,777	7,653	7,824	+2.3
TOTAL INVENTORIES											
All manufacturing industries	448,542	446,602	444,823	+0.4	+0.4	+0.3	451,963	448,123	442,780	434,755	+4.0
arket categories :											
Automotive equipment	8,236	8,361	8,402	-1.5	-0.5	-0.8	8,375	8,367	8,128	8,491	-1.4
Home goods and apparel	32,862	32,754	32,273	+0.3	+1.5	+1.1	33,496	33,634	33,271	31,826	+5.2
Consumer staples	69,009	68,942	68,912	+0.1	0.0	+0.1	69,084	68,020	67,677	66,526	+3.8
Machinery and equipment	113,954	113,279	112,218	+0.6	+0.9	+1.0	115,406	113,512	111,056	107,580	+7.3
Business supplies	26,671	26,340	26,560	+1.3	-0.8	+0.2	27,091	26,682	26,702	26,253	+3.2
Construction materials and supplies	27,585	27,458	27,388	+0.5	+0.3	+0.6	27,557	27,613	27,546	26,421	+4.3
Defense products	15,705	15,757	15,649	-0.3	+0.7	-1.5	16,076	16,095	15,804	16,823	-4.4
Other materials, supplies and and intermediate products	154,520	153,711	153,421	+0.5	+0.2	0.0	154,878	154,200	152,596	150,835	+2.7
urable goods industries :											
Nondefense capital goods [3]	108,311	107,363	106,207	+0.9	+1.1	+1.0	109,872	107,789	105,154	101,478	+8.3
Excluding aircraft and parts	72,248	72,065	71,271	+0.3	+1.1	+0.3	73,557	72,661	70,533	72,177	+1.9
Defense capital goods [4]	16,011	16,043	15,933	-0.2	+0.7	-1.3	16,458	16,444	16,123	17,373	-5.3
Durables excluding capital goods	157,762	157,394	157,026	+0.2	+0.2	+0.2	158,724	158,133	156,462	154,278	+2.9
liscellaneous series :											
Producers' durable equipment	183,474	183,008	181,742	+0.3	+0.7	+0.6	185,551	183,833	180,463	175,572	+5.7
Household durable goods	16,434	16,424	16,110	+0.1	+1.9	+0.9	16,718	16,653	16,331	15,773	+6.0
Information technology industries	35,369	35,360	34,832	0.0	+1.5	+0.8	36,397	35,904	34,255	36,133	+0.7
Health care equipment and products	17,416	17,455	17,289	-0.2	+1.0	+0.4	17,684	17,673	17,480	16,674	+6.1

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1997[p]	July 1997[r]	June 1997	July-Aug.	June-July	May-June	Aug. 1997[p]	July 1997[r]	June 1997	Aug. 1996	Aug. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	147,044	147,367	147,068	-0.2	+0.2	+0.4	147,700	147,709	145,923	146,052	+1.1
Durable goods industries	86,213	86,461	86,081	-0.3	+0.4	+0.8	87,274	86,910	84,974	85,828	+1.7
Stone, clay, and glass products	2,871	2,912	2,892	-1.4	+0.7	+0.2	2,909	2,915	2,897	2,887	+0.8
Primary metals	8,066	8,045	7,962	+0.3	+1.0	+0.5	8,126	8,013	7,807	7,571	+7.3
Fabricated metal products	10,443	10,464	10,387	-0.2	+0.7	+0.8	10,451	10,500	10,381	10,223	+2.2
Industrial machinery and equipment	18,077	18,252	18,318	-1.0	-0.4	+1.8	18,625	18,352	18,134	19,548	-4.7
Electronic and other electrical equipment	13,604	13,829	13,695	-1.6	+1.0	-0.1	13,827	14,070	13,557	13,820	+0.1
Transportation equipment	14,674	14,684	14,421	-0.1	+1.8	+1.1	14,768	14,869	14,163	13,957	+5.8
Instruments and related products	8,362	8,300	8,264	+0.7	+0.4	+1.5	8,459	8,361	8,290	7,964	+6.2
Lumber, furniture and miscellaneous durable goods	10,116	9,975	10,142	+1.4	-1.6	-0.2	10,109	9,830	9,745	9,858	+2.5
Nondurable goods industries	60,831	60,906	60,987	-0.1	-0.1	-0.3	60,426	60,799	60,949	60,224	+0.3
Food and kindred products	11,220	11,214	11,244	+0.1	-0.3	-0.1	10,808	10,871	11,022	11,057	-2.3
Tobacco products	5,189	5,222	5,275	-0.6	-1.0	+0.9	5,018	4,930	4,997	4,796	+4.6
Textile mill products	3,167	3,147	3,140	+0.6	+0.2	+0.1	3,145	3,185	3,156	2,955	+6.4
Paper and allied products	7,652	7,714	7,697	-0.8	+0.2	-1.5	7,638	7,636	7,598	8,030	-4.9
Chemicals and allied products	14,276	14,285	14,166	-0.1	+0.8	+0.7	14,264	14,419	14,341	13,565	+5.2
Petroleum and coal products	3,552	3,531	3,624	+0.6	-2.6	-4.8	3,584	3,572	3,755	3,603	-0.5
Rubber and plastics products	6,237	6,213	6,211	+0.4	0.0	-0.6	6,175	6,278	6,193	6,028	+2.4
Apparel, printing and publishing and leather goods	9,538	9,580	9,630	-0.4	-0.5	+0.3	9,794	9,908	9,887	10,190	-3.9
WORK IN PROCESS											
All manufacturing industries	142,882	141,675	140,623	+0.9	+0.7	-0.1	144,842	142,588	139,631	137,066	+5.7
Durable goods industries	114,811	113,931	113,043	+0.8	+0.8	+0.1	116,527	114,819	112,447	110,399	+5.6
Stone, clay, and glass products	1,268	1,171	1,186	+8.3	-1.3	-7.3	1,268	1,205	1,226	1,216	+4.3
Primary metals	8,850	8,837	8,862	+0.1	-0.3	+0.6	8,888	8,997	8,875	8,719	+1.9
Fabricated metal products	8,075	8,102	8,006	-0.3	+1.2	+0.3	8,242	8,194	7,986	7,946	+3.7
Industrial machinery and equipment	22,850	22,747	22,675	+0.5	+0.3	-0.4	23,224	22,986	22,562	22,642	+2.6
Electronic and other electrical equipment	15,072	14,946	14,830	+0.8	+0.8	+0.6	15,305	15,102	14,800	15,404	-0.6
Transportation equipment	43,482	42,807	42,267	+1.6	+1.3	-0.1	44,063	42,748	41,721	38,981	+13.0
Instruments and related products	10,106	10,182	10,080	-0.7	+1.0	+0.8	10,345	10,390	10,122	10,281	+0.6
Lumber, furniture and miscellaneous durable goods	5,108	5,139	5,137	-0.6	0.0	+1.8	5,192	5,197	5,155	5,210	-0.3
Nondurable goods industries	28,071	27,744	27,580	+1.2	+0.6	-0.7	28,315	27,769	27,184	26,667	+6.2
Food and kindred products	5,253	5,064	4,992	+3.7	+1.4	-1.6	4,955	4,616	4,594	4,605	+7.6
Tobacco products	191	216	225	-11.6	-4.0	-0.4	163	164	154	194	-16.0
Textile mill products	2,546	2,556	2,554	-0.4	+0.1	-0.5	2,572	2,584	2,536	2,597	-1.0
Paper and allied products	1,718	1,686	1,690	+1.9	-0.2	-0.2	1,754	1,725	1,726	1,713	+2.4
Chemicals and allied products	7,494	7,484	7,444	+0.1	+0.5	+0.3	7,645	7,659	7,491	6,970	+9.7
Petroleum and coal products	2,619	2,589	2,641	+1.2	-2.0	-2.9	2,674	2,601	2,657	2,708	-1.3
Rubber and plastics products	2,268	2,236	2,211	+1.4	+1.1	-1.5	2,252	2,204	2,147	2,051	+9.8
Apparel, printing and publishing and leather goods	5,982	5,913	5,823	+1.2	+1.5	-0.2	6,300	6,216	5,879	5,829	+8.1
FINISHED GOODS											
All manufacturing industries	158,616	157,560	157,132	+0.7	+0.3	+0.6	159,421	157,826	157,226	151,637	+5.1
Durable goods industries	81,060	80,408	80,042	+0.8	+0.5	+0.3	81,253	80,637	80,318	76,902	+5.7
Stone, clay, and glass products	4,573	4,618	4,696	-1.0	-1.7	+2.4	4,506	4,660	4,774	4,309	+4.6
Primary metals	8,047	7,920	7,925	+1.6	-0.1	-0.5	7,986	7,881	7,945	7,841	+1.8
Fabricated metal products	10,083	9,981	10,102	+1.0	-1.2	+1.0	9,991	10,124	10,491	9,302	+7.4
Industrial machinery and equipment	19,390	19,188	18,774	+1.1	+2.2	-0.5	19,319	19,025	18,304	18,180	+6.3
Electronic and other electrical equipment	11,574	11,515	11,187	+0.5	+2.9	-0.5	11,833	11,727	11,265	10,740	+10.2
Transportation equipment	9,348	9,405	9,710	-0.6	-3.1	+1.9	9,520	9,486	9,691	9,395	+1.3
Instruments and related products	6,556	6,518	6,530	+0.6	-0.2	-0.2	6,678	6,547	6,571	6,619	+0.9
Lumber, furniture and miscellaneous durable goods	11,489	11,263	11,118	+2.0	+1.3	+0.9	11,420	11,187	11,277	10,516	+8.6
Nondurable goods industries	77,556	77,152	77,090	+0.5	+0.1	+0.9	78,168	77,189	76,908	74,735	+4.6
Food and kindred products	18,796	18,825	18,962	-0.2	-0.7	+1.2	19,347	18,476	17,999	18,637	+3.8
Tobacco products	795	785	701	+1.3	+12.0	-10.7	654	601	567	574	+13.9
Textile mill products	4,574	4,538	4,523	+0.8	+0.3	+1.6	4,657	4,611	4,604	4,543	+2.5
Paper and allied products	6,478	6,459	6,435	+0.3	+0.4	-0.1	6,478	6,439	6,436	6,786	-4.5
Chemicals and allied products	20,821	20,778	20,751	+0.2	+0.1	+1.0	20,636	20,597	20,572	19,818	+4.1
Petroleum and coal products	6,199	6,051	6,091	+2.4	-0.7	0.0	6,193	6,152	6,242	5,768	+7.4
Rubber and plastics products	7,918	7,850	7,826	+0.9	+0.3	+1.2	7,767	7,799	7,914	7,059	+10.0
Apparel, printing and publishing and leather goods	11,975	11,866	11,801	+0.9	+0.6	+1.4	12,436	12,514	12,574	11,550	+7.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1997[p]	July 1997[r]	June 1997	May 1997	Aug. 1997[p]	July 1997[r]	June 1997	May 1997
All manufacturing industries	1.36	1.34	1.35	1.37	2.86	2.80	2.84	2.89
urable goods industries	1.56	1.53	1.55	1.58	3.39	3.32	3.36	3.44
Stone, clay, and glass products	1.15	1.11	1.17	1.16	0.89	0.88	0.97	0.95
Primary metals	1.62	1.59	1.60	1.63	2.08	2.04	2.01	2.03
Fabricated metal products	1.50	1.50	1.51	1.52	1.46	1.46	1.46	1.47
Industrial machinery and equipment	1.77	1.72	1.74	1.80	2.30	2.23	2.26	2.38
Electronic and other electrical equipment	1.34	1.37	1.34	1.38	1.85	1.75	1.84	1.88
Transportation equipment	1.57	1.52	1.57	1.61	11.29	10.87	11.17	11.29
Instruments and related products	1.92	1.88	1.89	1.95	3.76	3.70	3.58	3.72
ondurable goods industries	1.12	1.11	1.12	1.12	0.71	0.71	0.71	0.71
Food and kindred products	0.88	0.87	0.88	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.94	1.96	1.94	1.95	(X)	(X)	(X)	(X)
Textile mill products	1.52	1.47	1.52	1.50	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.19	1.19	1.19	1.21	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.30	1.30	1.29	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.77	0.80	0.82	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.30	1.32	1.33	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1997	Aug.[2] 1992-1996	Aug. 1996-July 1997	Aug.[1] 1997	Aug.[2] 1992-1996	Aug. 1996-July 1997	Aug.[1] 1997	Aug.[2] 1992-1996	Aug. 1996-July 1997	Aug.[1] 1997	Aug.[2] 1992-1996	Aug. 1996-July 1997
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
urable goods industries	0.0	0.3	0.2	0.0	0.3	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	1.2	1.0	(X)	0.7	0.8	(X)	0.0	0.2
Primary metals	-0.5	0.3	0.2	-0.2	0.9	0.8	0.2	0.4	0.3	(X)	0.1	0.0
Fabricated metal products	(X)	0.3	0.3	(X)	0.6	0.6	(X)	0.4	0.4	(X)	0.3	0.1
ndustrial machinery and equipment	0.1	0.3	0.5	0.4	0.2	0.7	0.2	0.1	0.2	(X)	0.2	0.1
Electronic and other electrical equipment	-0.2	0.3	0.5	0.0	0.5	1.1	0.2	0.2	0.5	(X)	0.1	0.1
Transportation equipment	0.0	1.0	0.3	-0.2	1.3	1.0	0.0	0.2	0.2	(X)	0.0	0.1
nstruments and related products	(X)	0.3	0.5	(X)	0.6	1.3	(X)	0.1	0.3	(X)	0.1	0.2
ondurable goods industries	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
apital goods industries :												
Nondefense	0.0	0.7	0.4	0.0	0.6	0.6	0.0	0.2	0.1	(X)	0.1	0.1
Defense	0.0	0.6	0.5	0.0	6.1	3.5	0.0	0.3	0.2	(X)	0.1	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nonthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the lurable goods industries are shown in the advance report for the month.

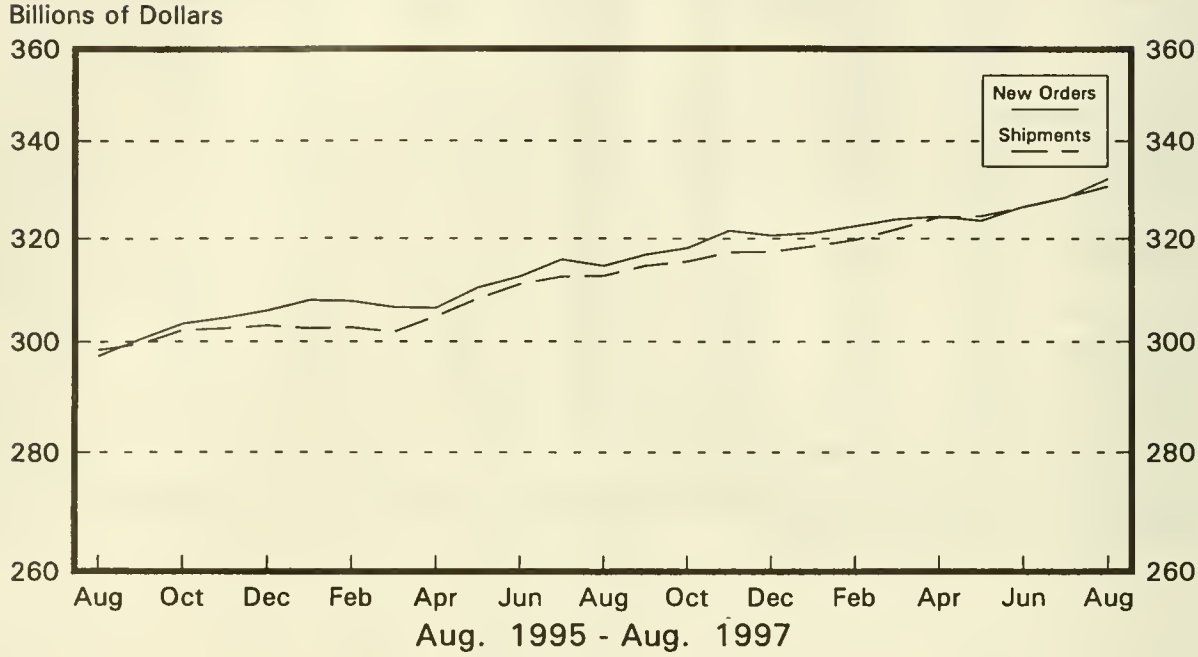
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

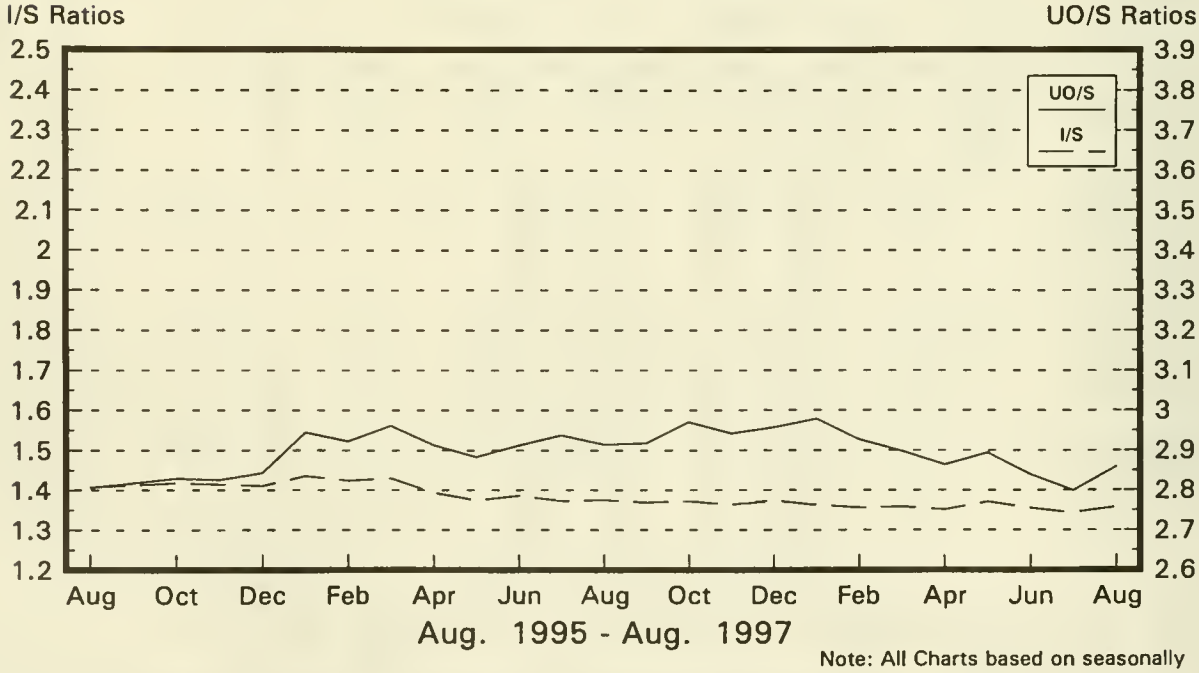
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

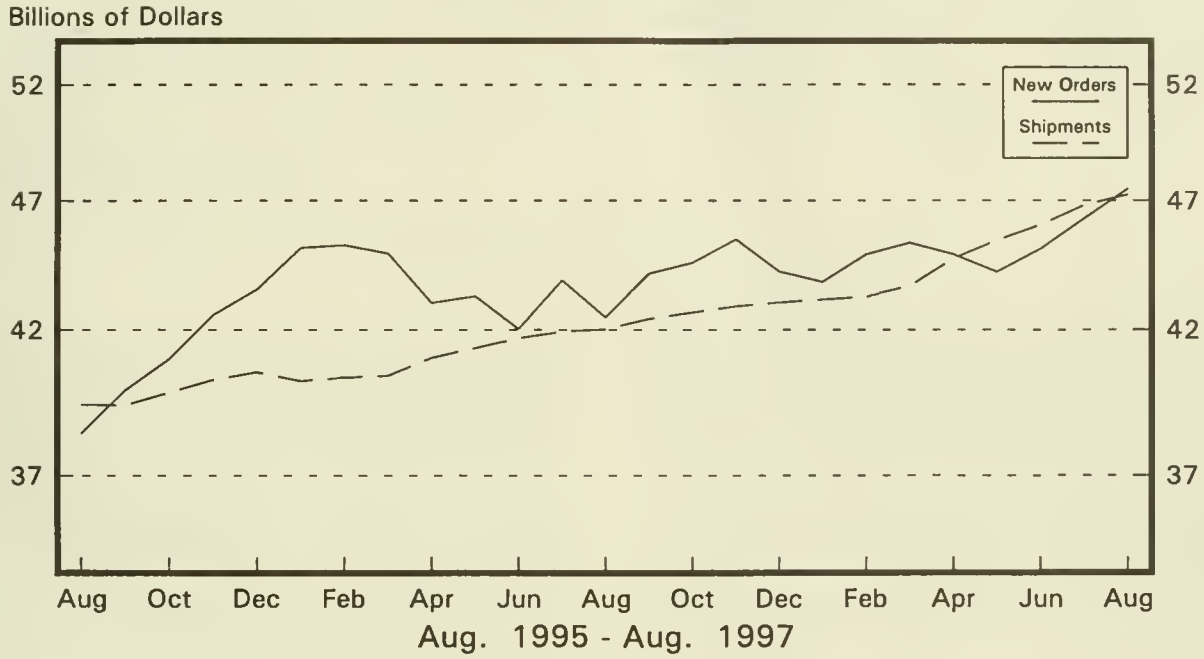
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

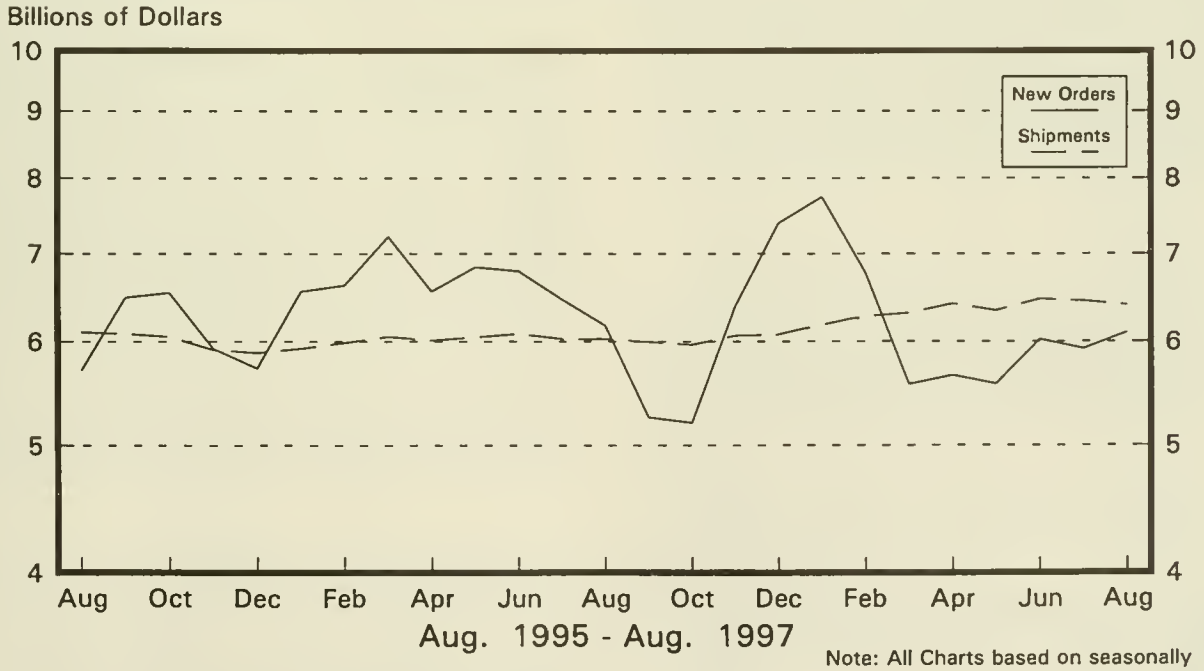
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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September 1997
M3-1-(97)-09
For Wire Transmissions 10:00 a.m. E.S.T. November 5, 1997

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For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased $1.4 billion or 0.4 percent to $336.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.2 percent August increase and is the fourth consecutive monthly increase. Excluding transportation, new orders increased 0.7 percent, following a 0.9 percent August increase. Year to date, new orders are 5.2 percent above the same period a year ago.

Shipments increased $5.1 billion or 1.6 percent to $335.3 billion, following a 0.8 percent August decrease. This is the third increase in the last four months. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, up four of the last five months, increased $1.2 billion or 0.2 percent to $528.2 billion, following a 0.9 percent August increase. The unfilled orders-to-shipments ratio was 2.79, down from 2.85 in August.

Inventories, up fourteen of the last fifteen months, increased $0.7 billion or 0.2 percent to $449.1 billion, following a 0.4 percent August increase. The inventories-to-shipments ratio was 1.34, down from 1.36 in August.

New Orders

New orders for manufactured durable goods in September increased $0.2 billion or 0.1 percent to $186.4 billion, revised from the previously published 0.6 percent decrease. This follows a 2.5 percent August increase and is the fourth consecutive monthly increase.

Primary metals had the largest increase, $0.7 billion or 4.2 percent to $16.6 billion, following a 2.1 percent August decrease. Industrial machinery and equipment, up three of the last four months, increased $0.6 billion or 1.7 percent to $35.3 billion. This follows a 1.1 percent August decrease. Fabricated metal products increased $0.5 billion or 2.7 percent to $19.7 billion. This follows a 0.4 percent August decline and is the first increase since June. Instruments and related products, up three of the last four months, increased $0.5 billion or 3.6 percent to $13.1 billion. This follows a 17.5 percent August decrease. Stone, clay, and glass products increased $0.3 billion or 4.0 percent to $7.7 billion, following a 2.3 percent August decline. Electronic and other electrical equipment, down three of the last four months, had the largest decrease, $2.6 billion or 7.6 percent to $31.5 billion, due to electronic components. This follows a 29.4 percent August increase. Transportation equipment, down two of the last three months, decreased $0.5 billion or 1.2 percent to $42.5 billion, due to declines in aircraft and parts and motor vehicles and parts. This follows a 3.1 percent August increase.

New orders for nondurable goods, up three of the last four months, increased $1.2 billion or 0.8 percent to $150.0 billion, following a 0.4 percent August decrease. Led by chemicals and allied products, all industries increased except petroleum and coal products and food and kindred products.

Shipments

Shipments of durable goods in September increased $4.2 billion or 2.3 percent to $185.3 billion, revised from the previously published 2.1 percent increase. This follows a 1.5 percent August decrease and is the third increase in the last four months.

Industrial machinery and equipment, up three of the last four months, had the largest increase, $1.0 billion or 2.9 percent to $35.0 billion. This follows a 2.6 percent August decrease. Electronic and other electrical equipment, up four of the last five months, increased $0.8 billion or 2.8 percent to $31.1 billion. This follows a 2.9 percent August increase. Instruments and related products, up three of the last four months, increased $0.6 billion or 4.2 percent to $13.6 billion, following a 1.9 percent August decrease. Transportation equipment increased $0.4 billion or 1.0 percent to $43.2 billion, as increases in aircraft and parts and railroad equipment more than offset a decline in motor vehicles and parts. This follows a 2.7 percent August decrease and is the third increase in the last four months. Fabricated metal products, up for the fourth consecutive month, increased $0.3 billion or 1.7 percent to $19.4 billion. This follows a 0.3 percent August increase.

Shipments of nondurable goods, up two of the last three months, increased $0.9 billion or 0.6 percent to $150.0 billion. This follows a slight August decrease. Chemicals and allied products had the largest increase, $0.5 billion or 1.5 percent to $33.0 billion. This follows a 0.9 percent August decrease and is the first increase since April.

Unfilled Orders

Unfilled orders for durable goods in September increased $1.1 billion or 0.2 percent to $502.1 billion, revised from the previously published 0.1 percent increase. This follows a 1.0 percent August increase and is the fourth increase in the last five months.

Primary metals, up for the ninth consecutive month, had the largest increase, $1.1 billion or 3.3 percent to $33.4 billion, following a 1.7 percent August increase. Electronic and other electrical equipment, up four of the last five months, increased $0.5 billion or 0.9 percent to $55.8 billion. This follows a 7.6 percent August increase. Fabricated metal products, up for the twenty-first consecutive month, increased $0.3 billion or 1.1 percent to $26.6 billion. This follows a 0.4 percent August increase. Industrial machinery and equipment, up for the third consecutive month, increased $0.3 billion or 0.4 percent to $73.9 billion, following a 0.9 percent August increase. Transportation equipment decreased $0.7 billion or 0.3 percent to $249.2 billion, due to aircraft and parts. This follows a 0.1 percent August increase and is the second decrease in the last three months. Instruments and related products declined for the second consecutive month, down $0.5 billion or 1.0 percent to $48.4 billion. This follows a 0.8 percent August decline.

Inventories

Inventories of durable goods in September, up fourteen of the last fifteen months, increased $0.2 billion or 0.1 percent to $282.1 billion. This follows a 0.4 percent August increase. Transportation equipment, up for the twenty-first consecutive month, increased $0.4 billion or 0.5 percent to $67.8 billion. This follows a 0.9 percent August increase. Fabricated metal products, up for the twelfth consecutive month, increased $0.3 billion or 0.9 percent to $28.9 billion, following a 0.3 percent August increase. Electronic and other electrical equipment, down for the second consecutive month, decreased $0.2 billion or 0.5 percent to $40.0 billion. This follows a 0.3 percent August decrease.

Inventories of nondurable goods, up thirteen of the last fourteen months, increased $0.5 billion or 0.3 percent to $167.1 billion, following a 0.5 percent August increase. Increases led by chemicals and allied products more than offset decreases led by petroleum and coal products.

By stage of fabrication, September finished goods decreased 0.5 percent in durables and increased 0.1 percent in nondurables. Work in process decreased 0.2 percent in durables and increased 0.4 percent in nondurables. Materials and supplies increased 1.0 percent in durables and 0.5 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for October is scheduled for November 26, 1997 at 10:00 a.m. and the full report on December 5, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-t) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96	1997[p]	1996
All manufacturing industries	335,321	330,178	332,895	+1.6	-0.8	+1.4	358,110	331,637	299,786	336,555	+6.4	2,938,357	2,777,05
Manufacturing Industries													
with unfilled orders	189,264	184,837	186,534	+2.4	-0.9	+1.1	205,319	183,677	165,286	188,154	+9.1	1,636,963	1,529,91
without defense capital goods	329,239	324,062	326,549	+1.6	-0.8	+1.5	351,566	325,755	294,187	329,889	+6.6	2,882,907	2,723,93
Durable goods industries	185,345	181,131	183,827	+2.3	-1.5	+1.7	200,304	178,524	156,290	184,229	+8.7	1,604,306	1,489,53
With unfilled orders	152,087	148,026	149,492	+2.7	-1.0	+1.0	165,691	145,242	129,870	149,982	+10.5	1,310,278	1,208,85
Stone, clay, and glass products	7,726	7,588	7,858	+1.8	-3.4	+4.8	8,351	8,132	7,847	7,564	+10.4	68,631	62,40
Primary metals	15,521	15,392	15,569	+0.8	-1.1	+0.9	15,934	15,320	14,101	14,786	+7.8	139,081	130,62
Blast furnaces, steel mills	6,184	6,161	6,263	+0.4	-1.6	-0.4	6,320	6,136	5,729	6,220	+1.6	56,416	54,57
Iron and steel foundries	1,492	1,472	1,560	+1.4	-5.6	+8.0	1,589	1,530	1,272	1,510	+5.2	13,331	12,60
Nonferrous and other primary metals	7,845	7,759	7,746	+1.1	+0.2	+0.7	8,025	7,654	7,100	7,056	+13.7	69,334	63,44
Fabricated metal products	19,421	19,094	19,042	+1.7	+0.3	+0.8	20,548	19,591	16,916	19,291	+6.5	170,096	161,17
Industrial machinery and equipment	35,037	34,042	34,949	+2.9	-2.6	+1.9	38,772	31,747	29,593	35,574	+9.0	301,678	281,83
Engines and turbines	1,904	1,936	1,987	-1.7	-2.6	+4.4	2,209	1,690	1,399	2,200	+0.4	16,375	16,14
Farm and garden machinery	2,101	2,086	2,261	+0.7	-7.7	+10.3	1,916	1,715	1,783	1,791	+7.0	19,063	17,55
Construction, mining and material handling equipment	3,926	3,866	3,858	+1.6	+0.2	+2.6	3,942	3,696	3,477	3,552	+11.0	34,179	31,08
Metalworking machinery	3,683	3,530	3,587	+4.3	-1.6	+0.8	4,125	3,328	3,008	3,435	+20.1	30,151	26,49
Computer and office equipment	9,511	9,323	9,473	+2.0	-1.6	+1.6	12,212	8,377	7,205	11,156	+9.5	80,205	73,81
Electronic and other electrical equipment	31,051	30,214	29,370	+2.8	+2.9	-0.6	34,872	29,377	25,362	30,164	+15.6	258,626	235,22
Electrical transmission and distribution equipment and industrial apparatus	3,505	3,260	3,352	+7.5	-2.7	+2.4	3,972	3,198	3,019	3,617	+9.8	29,797	28,36
Household appliances	2,128	1,993	1,987	+6.8	+0.3	-4.4	2,307	2,058	1,849	2,038	+13.2	18,327	17,65
Electric lighting and wiring equipment	2,217	2,133	2,152	+3.9	-0.9	+3.4	2,439	2,110	1,809	2,209	+10.4	18,897	17,74
Household audio and video equipment	1,307	1,284	1,287	+1.8	-0.2	-8.9	1,642	1,367	1,127	1,596	+2.9	11,038	10,39
Communications equipment	6,868	6,990	6,653	-1.7	+5.1	+2.0	7,735	6,386	5,627	6,556	+18.0	55,010	47,56
Electronic components	12,750	12,404	11,931	+2.8	+4.0	-0.8	14,216	12,165	10,342	11,841	+20.1	106,652	94,64
Transportation equipment	43,187	42,773	43,943	+1.0	-2.7	+3.6	45,291	42,082	32,018	43,625	+3.8	376,996	350,98
Motor vehicles and parts	29,723	29,954	30,313	-0.8	-1.2	+4.7	30,863	29,900	19,961	30,485	+1.2	262,183	251,7
Aircraft, missiles, space vehicles, and parts	10,523	10,152	10,977	+3.7	-7.5	+4.6	11,256	9,570	9,692	9,900	+13.7	90,298	74,14
Shipbuilding and tanks	845	862	918	-2.0	-6.1	-1.4	877	838	856	995	-11.9	7,914	8,14
Instruments and related products	13,629	13,077	13,328	+4.2	-1.9	+1.1	14,855	12,712	11,959	13,173	+12.8	116,431	108,2
Search and navigation equipment	2,773	2,633	2,751	+5.3	-4.3	+1.7	3,107	2,522	2,441	2,563	+21.2	23,651	21,6
Measuring and controlling devices	4,078	3,996	4,043	+2.1	-1.2	+1.1	4,404	3,960	3,501	3,922	+12.3	34,751	32,4
Medical instruments and supplies	4,296	4,085	4,152	+5.2	-1.6	-0.5	4,674	3,993	3,828	4,359	+7.2	36,881	34,6
Photographic goods	2,016	1,902	1,909	+6.0	-0.4	+2.6	2,187	1,776	1,712	1,929	+13.4	17,087	16,3
All other durable goods	19,773	18,951	19,768	+4.3	-4.1	+1.8	21,681	19,563	18,494	20,052	+8.1	172,767	159,0
Nondurable goods industries	149,976	149,047	149,068	+0.6	0.0	+1.0	157,806	153,113	143,496	152,326	+3.6	1,334,051	1,287,5
With unfilled orders	37,177	36,811	37,042	+1.0	-0.6	+1.5	39,628	38,435	35,416	38,172	+3.8	326,685	321,0
Food and kindred products	40,034	40,298	40,251	-0.7	+0.1	+0.4	42,292	41,127	38,735	41,648	+1.5	358,456	349,4
Meat products	8,810	8,999	9,012	-2.1	-0.1	+1.4	9,171	9,378	8,861	9,108	+0.7	79,780	78,3
Dairy products	4,973	5,031	5,001	-1.2	+0.6	+1.1	5,117	5,142	4,844	5,241	-2.4	44,906	43,8
Beverages	5,958	5,892	5,880	+1.1	+0.2	+2.7	6,119	6,418	6,280	5,868	+4.3	53,365	52,0
All other foods, except fats and oils	18,304	18,387	18,445	-0.5	-0.3	-0.8	19,896	18,200	16,837	19,364	+2.7	162,374	157,8
Tobacco products	3,360	3,215	3,180	+4.5	+1.1	-0.3	3,336	3,324	3,180	2,815	+18.5	28,498	25,5
Textile mill products	6,905	6,824	6,951	+1.2	-1.8	+3.5	7,668	7,190	6,220	7,332	+4.6	61,659	58,8
Broadwoven fabrics and other textiles	4,191	4,126	4,273	+1.6	-3.4	+4.2	4,635	4,301	3,672	4,548	+1.9	37,866	36,7
Paper and allied products	13,864	13,528	13,364	+2.5	+1.2	+0.3	14,391	13,797	13,047	13,702	+5.0	121,049	122,4
Pulp, paper, and paperboard mill products	5,601	5,399	5,200	+3.7	+3.8	+1.5	5,797	5,502	5,157	5,491	+5.6	47,916	49,6
Paperboard containers and boxes	3,308	3,224	3,233	+2.6	-0.3	+0.7	3,401	3,305	3,125	3,362	+1.2	29,396	29,9
Miscellaneous converted paper products	4,955	4,905	4,931	+1.0	-0.5	-1.2	5,193	4,990	4,765	4,849	+7.1	43,737	42,8
Chemicals and allied products	32,950	32,449	32,748	+1.5	-0.9	0.0	33,969	32,025	31,112	32,368	+4.9	296,148	279,5
Industrial chemicals	16,194	15,943	15,921	+1.6	+0.1	+0.6	16,437	16,100	15,447	15,480	+6.2	145,419	137,7
Drugs, soaps, and toiletries	12,730	12,556	12,836	+1.4	-2.2	-0.6	14,028	12,296	11,931	13,594	+3.2	112,704	105,4
Petroleum and coal products	15,531	15,814	15,211	-1.8	+4.0	+1.5	15,998	16,630	15,350	15,959	+0.2	138,480	131,4
Rubber and plastics products	12,598	12,340	12,508	+2.1	-1.3	+2.0	13,149	12,572	11,610	12,465	+5.5	112,845	109,2
All other nondurable goods	24,734	24,579	24,855	+0.6	-1.1	+2.2	27,003	26,448	24,242	26,037	+3.7	216,916	210,9

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96	1997[p]	1996
nanufacturing industries	336,475	335,040	331,138	+0.4	+1.2	+0.5	353,854	335,065	300,000	335,124	+5.6	2,949,029	2,802,817
icturing industries													
unfilled orders	190,418	189,699	184,777	+0.4	+2.7	-0.5	201,063	187,105	165,500	186,723	+7.7	1,647,635	1,555,681
ut defense capital goods	330,992	329,733	325,161	+0.4	+1.4	+0.6	348,726	331,001	296,187	329,567	+5.8	2,901,538	2,748,343
e goods industries	186,441	186,195	181,679	+0.1	+2.5	+0.1	196,623	182,669	155,513	183,300	+7.3	1,613,381	1,513,677
unfilled orders	153,183	153,090	147,344	+0.1	+3.9	-1.1	162,010	149,387	129,093	149,053	+8.7	1,319,353	1,233,001
clay, and glass products	7,684	7,389	7,566	+4.0	-2.3	-0.4	8,246	7,955	7,667	7,702	+7.1	68,459	62,380
/ metals	16,591	15,919	16,258	+4.2	-2.1	+3.6	16,449	15,461	14,829	14,062	+17.0	143,080	132,341
furnaces, steel mills	6,404	6,224	6,511	+2.9	-4.4	+0.8	6,107	6,109	6,032	5,782	+5.6	57,599	55,182
and steel foundries	1,616	1,528	1,667	+5.8	-8.3	+8.0	1,642	1,489	1,349	1,459	+12.5	14,055	13,276
ferrous and other primary als	8,571	8,167	8,080	+4.9	+1.1	+5.1	8,700	7,863	7,448	6,821	+27.5	71,426	63,883
ted metal products	19,705	19,186	19,264	+2.7	-0.4	-0.2	20,684	19,590	17,470	19,499	+6.1	172,666	162,974
al machinery and equipment	35,306	34,704	35,107	+1.7	-1.1	+6.1	38,768	32,296	30,018	34,982	+10.8	302,305	282,945
nes and turbines	1,865	2,097	1,871	-11.1	+12.1	+27.8	2,525	1,973	1,485	2,450	+3.1	15,564	15,828
truction, mining and rial handling equipment	3,993	4,050	4,006	-1.4	+1.1	+4.0	4,046	3,740	3,397	3,712	+9.0	34,798	31,516
lworking machinery	3,326	3,713	3,425	-10.4	+8.4	+11.0	3,768	3,511	2,846	3,443	+9.4	29,697	27,201
puter and office equipment	9,593	9,154	9,362	+4.8	-2.2	+6.6	11,982	8,182	7,284	10,556	+13.5	78,922	73,929
nic and other cal equipment	31,525	34,123	26,365	-7.6	+29.4	-12.2	33,011	33,891	23,487	27,572	+19.7	265,121	234,146
rical transmission and ibution equipment and strial apparatus	3,493	3,197	3,271	+9.3	-2.3	+2.6	3,817	3,115	3,062	3,469	+10.0	29,893	28,511
ric lighting and ng equipment	2,140	2,242	2,329	-4.5	-3.7	+13.4	2,362	2,219	1,986	2,159	+9.4	19,141	18,138
nunications equipment	7,288	6,867	6,324	+6.1	+8.6	-14.6	8,213	6,218	5,271	5,921	+38.7	57,737	47,204
ronic components	12,697	16,235	9,069	-21.8	+79.0	-22.7	12,112	16,460	8,519	10,282	+17 8	108,640	92,957
rtation equipment	42,509	43,038	41,752	-1.2	+3.1	-2.7	43,663	41,612	28,898	46,935	-7.0	368,357	372,291
raft, missiles, ice vehicles, and parts.	9,106	10,972	8,884	-17.0	+23.5	-21.2	9,023	9,586	6,433	13,435	-32.8	82,638	95,466
building and tanks	1,007	500	549	+101.4	-8.9	-39.2	1,026	391	418	597	+71.9	6,333	7,905
ents and related products	13,144	12,693	15,387	+3.6	-17.5	+15.2	14,133	12,187	14,005	12,739	+10.9	118,562	106,464
h and navigation equipment	2,471	2,299	4,494	+7.5	-48.8	+56.2	2,746	2,028	3,960	2,458	+11.7	24,401	19,618
uring and controlling devices	3,911	3,957	4,061	-1.2	-2.6	+3.5	4,237	3,921	3,519	3,613	+17.3	34,813	31,913
cal instruments and supplies	4,245	4,230	4,100	+0.4	+3.2	+3.2	4,522	4,223	3,948	4,381	+3.2	37,267	35,126
er durable goods	19,977	19,143	19,980	+4.4	-4.2	+2.0	21,669	19,677	19,139	19,809	+9.4	174,831	160,136
able goods industries	150,034	148,845	149,459	+0.8	-0.4	+1.0	157,231	152,396	144,487	151,824	+3.6	1,335,648	1,289,140
unfilled orders	37,235	36,609	37,433	+1.7	-2.2	+1.6	39,053	37,718	36,407	37,670	+3.7	328,282	322,680

liminary. [r] Revised.

pments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Vhen new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar from the prior month to the current month.

: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ncludes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), acturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sep 97/9
All manufacturing industries	528,187	527,033	522,171	+0.2	+0.9	-0.3	522,891	527,147	523,719	502,796	+4
Manufacturing industries without defense capital goods	421,938	420,185	414,514	+0.4	+1.4	-0.3	419,172	422,012	416,766	397,139	+5
Durable goods industries	502,123	501,027	495,963	+0.2	+1.0	-0.4	496,649	500,330	496,185	478,160	+3
Stone, clay, and glass products	6,354	6,396	6,595	-0.7	-3.0	-4.2	6,405	6,510	6,687	6,785	-5
Primary metals	33,350	32,280	31,753	+3.3	+1.7	+2.2	32,437	31,922	31,781	28,908	+12
Blast furnaces, steel mills	13,125	12,905	12,842	+1.7	+0.5	+2.0	12,718	12,931	12,958	12,120	+4
Iron and steel foundries	5,145	5,021	4,965	+2.5	+1.1	+2.2	5,016	4,963	5,004	4,203	+19
Nonferrous and other primary metals	15,080	14,354	13,946	+5.1	+2.9	+2.5	14,703	14,028	13,819	12,585	+16
Fabricated metal products	26,586	26,302	26,210	+1.1	+0.4	+0.9	26,800	26,664	26,665	23,990	+11
Industrial machinery and equipment	73,873	73,604	72,942	+0.4	+0.9	+0 2	72,791	72,795	72,246	71,826	+1
Engines and turbines	11,710	11,749	11,588	-0.3	+1.4	-1.0	11,890	11,574	11,291	11,981	-0
Construction, mining and material handling equipment	9,544	9,477	9,293	+0.7	+2.0	+1.6	9,248	9,144	9,100	8,802	+5
Metalworking machinery	7,756	8,113	7,930	-4.4	+2.3	-2.0	7,756	8,113	7,930	8,871	-12
Computer and office equipment	8,680	8,598	8,767	+1.0	-1.9	-1.3	8,498	8,728	8,923	9,562	-11
Electronic and other electrical equipment	55,805	55,331	51,422	+0.9	+7.6	-5.5	54,357	56,218	51,704	48,394	+12
Electrical transmission and distribution equipment and industrial apparatus	6,525	6,537	6,600	-0.2	-1.0	-1.2	6,398	6,553	6,636	6,232	+2
Electric lighting and wiring equipment	4,658	4,735	4,626	-1.6	+2.4	+4.0	4,658	4,735	4,626	4,275	+9
Communications equipment	15,103	14,683	14,806	+2.9	-0.8	-2.2	15,127	14,649	14,817	13,143	+15
Electronic components	23,088	23,141	19,310	-0.2	+19.8	-12.9	21,749	23,853	19,558	19,640	+10
Transportation equipment	249,235	249,913	249,648	-0.3	+0.1	-0.9	247,096	248,724	249,194	245,838	+0
Aircraft, missiles, space vehicles, and parts	217,402	218,819	217,999	-0.6	+0.4	-1.0	215,249	217,482	217,466	213,890	+0
Shipbuilding and tanks	17,874	17,712	18,074	+0.9	-2.0	-2.0	17,872	17,723	18,170	18,191	-1
Instruments and related products	48,421	48,906	49,290	-1.0	-0.8	+4.4	47,943	48,665	49,190	44,743	+7
Search and navigation equipment	28,768	29,070	29,404	-1.0	-1 1	+6.3	28,367	28,728	29,222	26,789	+5
Measuring and controlling devices	9,809	9,976	10,015	-1.7	-0.4	+0.2	9,809	9,976	10,015	9,226	+6
Medical instruments and supplies	7,891	7,942	7,797	-0.6	+1 9	-0.7	7,812	7,964	7,734	7,815	0
All other durable goods	8,499	8,295	8,103	+2.5	+2.4	+2.7	8,820	8,832	8,718	7,676	+14
Nondurable goods industries	26,064	26,006	26,208	+0.2	-0.8	+1.5	26,242	26,817	27,534	24,636	+6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96
ll manufacturing industries	449,136	448,447	446,602	+0.2	+0.4	+0.4	448,670	452,128	448,123	431,950	+3.9
ıufacturing industries											
h unfilled orders	298,055	298,344	297,046	-0.1	+0.4	+0.6	297,615	302,607	299,850	286,178	+4.0
hout defense capital goods	432,651	432,336	430,559	+0.1	+0.4	+0.4	431,858	435,685	431,679	414,865	+4.1
able goods industries	282,060	281,878	280,800	+0.1	+0.4	+0.6	281,398	285,033	282,366	269,918	+4.3
ith unfilled orders	258,411	258,940	257,852	-0.2	+0.4	+0.7	257,962	262,433	259,899	247,234	+4.3
ıe, clay, and glass products	8,745	8,707	8,701	+0.4	+0.1	-0.8	8,552	8,674	8,780	8,255	+3.6
ıary metals	24,809	24,895	24,802	-0.3	+0.4	+0.2	24,751	24,971	24,891	24,309	+1.8
last furnaces, steel mills	12,060	12,091	12,067	-0.3	+0.2	-0.5	12,060	12,069	12,041	11,994	+0.6
on and steel foundries	1,657	1,642	1,651	+0.9	-0.5	-1.0	1,621	1,612	1,644	1,609	+0.7
onferrous and other primary metals	11,092	11,162	11,084	-0.6	+0.7	+1.2	11,070	11,290	11,206	10,706	+3.4
ricated metal products	28,892	28,639	28,547	+0.9	+0.3	+0.2	28,634	28,668	28,818	27,053	+5.8
ıstrial machinery and equipment	60,118	60,241	60,187	-0.2	+0.1	+0.7	59,669	61,170	60,363	58,595	+1.8
ngines and turbines	3,733	3,657	3,658	+2.1	0.0	+0.9	3,831	3,853	3,718	3,754	+2.1
arm and garden machinery	3,241	3,261	3,308	-0.6	-1.4	+0.7	3,043	3,063	3,083	2,824	+7.8
onstruction, mining and ıaterial handling equipment	7,932	7,901	7,867	+0.4	+0.4	+1.4	7,853	7,840	7,788	7,370	+6.6
etalworking machinery	7,172	7,259	7,312	-1.2	-0.7	-0.2	7,251	7,550	7,489	7,317	-0.9
omputer and office equipment	11,951	12,083	12,090	-1.1	-0.1	+1.7	11,676	12,742	12,391	12,220	-4.5
tronic and other ctrical equipment	39,986	40,176	40,290	-0.5	-0.3	+1.5	39,949	40,946	40,899	39,296	+1.7
ectrical transmission and istribution equipment and ıdustrial apparatus	5,238	5,255	5,285	-0.3	-0.6	-0.6	5,237	5,317	5,322	5,101	+2.7
ousehold appliances	2,743	2,784	2,862	-1.5	-2.7	+2.1	2,587	2,716	2,834	2,656	-2.6
ectric lighting and wiring equipment	3,389	3,382	3,375	+0.2	+0.2	+0.6	3,342	3,448	3,457	3,187	+4.9
ousehold audio and ideo equipment	1,541	1,582	1,652	-2.6	-4.2	+10.4	1,586	1,710	1,767	1,694	-6.4
ommunications equipment	10,865	10,915	10,990	-0.5	-0.7	+3.6	10,900	11,147	11,052	10,242	+6.4
ectronic components	12,862	12,811	12,586	+0.4	+1.8	-0.4	12,939	13,039	12,791	12,994	-0.4
sportation equipment	67,843	67,486	66,896	+0.5	+0.9	+0.8	68,081	68,371	67,103	62,069	+9.7
otor vehicles and parts	17,091	16,713	16,958	+2.3	-1.4	0.0	17,231	16,990	17,046	16,758	+2.8
ırcraft, missiles, ;pace vehicles, and parts	46,035	46,038	45,193	0.0	+1.9	+1.0	46,150	46,604	45,327	40,506	+13.9
ıipbuilding and tanks	1,623	1,587	1,587	+2.3	0.0	-1.7	1,600	1,573	1,595	1,712	-6.5
uments and related products	24,883	25,019	25,000	-0.5	+0.1	+0.5	25,002	25,510	25,298	24,563	+1.8
:arch and navigation equipment	6,171	6,306	6,321	-2.1	-0.2	+1.0	6,183	6,463	6,449	6,075	+1.8
easuring and controlling devices	7,787	7,829	7,890	-0.5	-0.8	-0.2	7,787	7,960	7,999	7,639	+1.9
edical instruments and supplies	7,949	7,930	7,855	+0.2	+1.0	+1.0	7,925	8,051	7,880	7,500	+5.7
ıotographic goods	2,313	2,294	2,284	+0.8	+0.4	-0.3	2,449	2,373	2,317	2,734	-10.4
ıther durable goods	26,784	26,715	26,377	+0.3	+1.3	-0.1	26,760	26,723	26,214	25,778	+3.8
durable goods industries	167,076	166,569	165,802	+0.3	+0.5	+0.1	167,272	167,095	165,757	162,032	+3.2
ith unfilled orders	39,644	39,404	39,194	+0.6	+0.5	-0.1	39,653	40,174	39,951	38,944	+1.8
l and kindred products	35,356	35,229	35,103	+0.4	+0.4	-0.3	36,197	35,030	33,963	35,564	+1.8
eat products	3,866	3,881	3,868	-0.4	+0.3	+0.3	3,858	3,810	3,867	3,735	+3.3
iiry products	3,163	3,141	3,128	+0.7	+0.4	-3.2	3,198	3,230	3,273	3,296	-3.0
:verages	7,027	6,866	6,737	+2.3	+1.9	+1.2	7,189	6,733	6,601	6,785	+6.0
l other foods, except fats and oils	19,426	19,521	19,558	-0.5	-0.2	+0.1	20,417	19,694	18,531	20,197	+1.1
ıcco products	6,039	6,140	6,223	-1.6	-1.3	+0.4	5,912	5,834	5,695	5,870	+0.7
ile mill products	10,314	10,294	10,241	+0.2	+0.5	+0.2	10,113	10,386	10,380	9,782	+3.4
oadwoven fabrics and ıther textiles	6,419	6,404	6,361	+0.2	+0.7	0.0	6,271	6,447	6,432	6,123	+2.4
r and allied products	16,159	15,941	15,859	+1.4	+0.5	+0.2	16,038	15,899	15,800	16,305	-1.6
ılp, paper, and ıaperboard mill products	6,582	6,560	6,550	+0.3	+0.2	-0.1	6,536	6,552	6,478	6,836	-4.4
ıperboard containers and boxes	3,840	3,832	3,831	+0.2	0.0	+0.8	3,840	3,820	3,821	3,919	-2.0
iscellaneous converted ıaper products	5,737	5,549	5,478	+3.4	+1.3	+0.3	5,662	5,527	5,501	5,550	+2.0
nicals and allied products	43,119	42,633	42,547	+1.1	+0.2	+0.4	42,845	42,588	42,675	40,360	+6.2
dustrial chemicals	19,882	19,807	19,611	+0.4	+1.0	+0.1	19,842	19,744	19,592	19,081	+4.0
rugs, soaps, and toiletries	17,882	17,539	17,697	+2.0	-0.9	+0.9	17,936	17,863	18,057	16,520	+8.6
ıleum and coal products	12,199	12,431	12,171	-1.9	+2.1	-1.5	12,299	12,594	12,325	12,319	-0.2
ıer and plastics products	16,316	16,361	16,299	-0.3	+0.4	+0.3	15,971	16,159	16,281	15,165	+5.3
ıther nondurable goods	27,574	27,540	27,359	+0.1	+0.7	+0.4	27,897	28,605	28,638	26,667	+4.6

Preliminary. ' Revised.

ee note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96	1997[p]	199
SHIPMENTS													
All manufacturing industries	335,321	330,178	332,895	+1.6	-0.8	+1.4	358,110	331,637	299,786	336,555	+6.4	2,938,357	2,777,0
Market categories :													
Automotive equipment	14,710	14,733	14,937	-0.2	-1.4	+4.4	15,477	14,637	10,014	15,391	+0.6	128,862	124,8
Home goods and apparel	19,530	18,859	19,104	+3.6	-1.3	+0.1	22,357	20,019	17,772	20,864	+7.2	169,655	161,7
Consumer staples	69,430	69,544	69,346	-0.2	+0.3	+0.4	73,538	71,183	67,061	71,495	+2.9	616,604	591,6
Machinery and equipment	61,814	60,118	61,741	+2.8	-2.6	+3.3	67,594	57,137	51,380	61,661	+9.6	526,282	481,5
Business supplies	25,880	25,636	25,697	+1.0	-0.2	+0.9	26,931	25,960	24,324	25,594	+5.2	227,840	218,3
Construction materials and supplies	21,177	20,814	21,382	+1.7	-2.7	+3.1	22,783	22,018	20,743	21,405	+6.4	187,869	175,7
Defense products	6,468	6,488	6,737	-0.3	-3.7	-3.9	6,956	6,301	6,037	7,002	-0.7	58,987	56,5
Other materials, supplies and and intermediate products	116,312	113,986	113,951	+2.0	0.0	+1.0	122,474	114,382	102,455	113,143	+8.2	1,022,258	966,5
Durable goods industries :													
Nondefense capital goods [3]	48,640	46,897	48,058	+3.7	-2.4	+2.7	54,544	43,873	41,286	48,359	+12.8	408,458	368,9
Excluding aircraft and parts	41,365	39,982	40,454	+3.5	-1.2	+1.1	46,773	37,470	34,588	42,219	+10.8	348,269	323,3
Defense capital goods [4]	6,082	6,116	6,346	-0.6	-3.6	-4.7	6,544	5,882	5,599	6,666	-1.8	55,450	53,1
Durables excluding capital goods	130,623	128,118	129,423	+2.0	-1.0	+1.7	139,216	128,769	109,405	129,204	+7.7	1,140,398	1,067,4
Miscellaneous series :													
Producers' durable equipment	119,255	116,501	118,171	+2.4	-1.4	+2.2	129,245	113,444	95,863	119,459	+8.2	1,026,106	956,0
Household durable goods	10,086	9,496	9,660	+6.2	-1.7	-2.9	11,719	9,637	8,380	10,596	+10.6	85,637	79,7
Information technology industries	23,161	22,764	22,774	+1.7	0.0	+2.1	27,362	21,083	18,700	24,171	+13.2	192,825	175,1
Health care equipment and products	11,220	10,914	11,131	+2.8	-1.9	-0.5	12,294	10,689	10,307	11,736	+4.8	98,186	91,9
NEW ORDERS													
All manufacturing industries	336,475	335,040	331,138	+0.4	+1.2	+0.5	353,854	335,065	300,000	335,124	+5.6	2,949,029	2,802,8
Market categories :													
Automotive equipment	14,703	14,746	14,946	-0.3	-1.3	+4.4	15,412	14,711	10,087	15,345	+0.4	129,088	124,9
Home goods and apparel	19,881	18,768	19,575	+5.9	-4.1	+1.6	22,436	19,663	18,622	20,570	+9.1	171,715	163,4
Consumer staples	69,356	69,455	69,431	-0.1	0.0	+0.4	73,322	71,106	67,446	71,273	+2.9	616,901	591,9
Machinery and equipment	62,202	61,456	61,599	+1.2	-0.2	+2.3	67,123	58,264	51,584	63,897	+5.0	531,001	500,3
Business supplies	25,743	25,541	25,759	+0.8	-0.8	+0.8	26,609	25,886	24,548	25,435	+4.6	228,206	218,7
Construction materials and supplies	21,213	20,873	21,574	+1.6	-3.2	+3.2	22,752	21,970	21,058	21,493	+5.9	189,057	176,5
Defense products	5,893	5,805	6,423	+1.5	-9.6	-4.0	5,538	4,604	4,368	5,706	-2.9	51,085	57,4
Other materials, supplies and and intermediate products	117,484	118,396	111,831	-0.8	+5.9	-1.4	120,662	118,861	102,287	111,405	+8.3	1,031,976	969,3
Durable goods industries :													
Nondefense capital goods [3]	49,060	47,987	47,412	+2.2	+1.2	+0.4	54,476	44,750	40,917	51,253	+6.3	410,883	387,9
Excluding aircraft and parts	42,789	40,110	42,136	+6.7	-4.8	+6.6	47,709	37,385	36,547	40,867	+16.7	354,081	324,2
Defense capital goods [4]	5,483	5,307	5,977	+3.3	-11.2	-4.7	5,128	4,064	3,813	5,557	-7.7	47,491	54,4
Durables excluding capital goods	131,898	132,901	128,290	-0.8	+3.6	+0.1	137,019	133,855	110,783	126,490	+8.3	1,155,007	1,071,2
Miscellaneous series :													
Producers' durable equipment	119,939	117,747	118,555	+1.9	-0.7	+2.1	128,680	114,751	97,741	120,982	+6.4	1,034,729	975,3
Household durable goods	10,310	9,348	10,105	+10.3	-7.5	-0.8	11,802	9,364	9,212	10,354	+14.0	87,525	80,5
Information technology industries	23,389	22,279	24,153	+5.0	-7.8	+6.3	27,282	20,572	20,273	22,573	+20.9	196,611	173,5
Health care equipment and products	11,171	11,062	11,082	+1.0	-0.2	+0.8	12,143	10,921	10,431	11,758	+3.3	98,588	92,4

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96
UNFILLED ORDERS											
ll manufacturing industries	528,187	527,033	522,171	+0.2	+0.9	-0.3	522,891	527,147	523,719	502,796	+4.0
rket categories :											
Automotive equipment	2,424	2,432	2,418	-0.3	+0.6	+0.3	2,428	2,494	2,420	2,277	+6.6
Home goods and apparel	9,237	8,886	8,977	+4.0	-1.0	+5.5	9,566	9,486	9,842	9,246	+3.5
Consumer staples	2,294	2,368	2,458	-3.1	-3.7	+3.6	2,457	2,673	2,750	2,184	+12.5
Machinery and equipment	234,295	233,907	232,570	+0.2	+0.6	-0.1	233,291	233,761	232,635	227,146	+2.7
Business supplies	6,880	7,017	7,112	-2.0	-1.3	+0.9	6,976	7,297	7,371	6,698	+4.2
Construction materials and supplies	17,255	17,219	17,159	+0.2	+0.3	+1.1	17,316	17,347	17,395	16,163	+7.1
Defense products	101,737	102,311	102,995	-0.6	-0.7	-0.3	99,204	100,622	102,319	100,658	-1.4
Other materials, supplies and and intermediate products	154,065	152,893	148,482	+0.8	+3.0	-1.4	151,653	153,467	148,987	138,424	+9.6
rable goods industries :											
Nondefense capital goods [3]	253,048	252,628	251,538	+0.2	+0.4	-0.3	251,948	252,016	251,139	245,373	+2.7
Excluding aircraft and parts	100,687	99,263	99,135	+1.4	+0.1	+1.7	99,587	98,651	98,736	94,584	+5.3
Defense capital goods [4]	106,249	106,848	107,657	-0.6	-0.8	-0.3	103,719	105,135	106,953	105,657	-1.8
Durables excluding capital goods	142,826	141,551	136,768	+0.9	+3.5	-0.8	140,982	143,179	138,093	127,130	+10.9
cellaneous series :											
roducers' durable equipment	272,262	271,578	270,332	+0.3	+0.5	+0.1	271,633	272,198	270,891	263,543	+3.1
Household durable goods	6,436	6,212	6,360	+3.6	-2.3	+7.5	6,688	6,605	6,878	5,769	+15.9
nformation technology industries	39,050	38,822	39,307	+0.6	-1.2	+3.6	38,876	38,956	39,467	34,951	+11.2
Health care equipment and products	7,936	7,985	7,838	-0.6	+1.9	-0.6	7,859	8,010	7,777	7,846	+0.2
TOTAL INVENTORIES											
l manufacturing industries	449,136	448,447	446,602	+0.2	+0.4	+0.4	448,670	452,128	448,123	431,950	+3.9
rket categories :											
utomotive equipment	8,496	8,231	8,361	+3.2	-1.6	-0.5	8,539	8,376	8,367	8,311	+2.7
lome goods and apparel	32,732	32,808	32,754	-0.2	+0.2	+1.5	32,616	33,504	33,634	31,340	+4.1
onsumer staples	69,250	68,976	68,942	+0.4	0.0	0.0	70,149	69,116	68,020	67,832	+3.4
lachinery and equipment	113,291	113,816	113,279	-0.5	+0.5	+0.9	112,783	115,497	113,512	105,678	+6.7
usiness supplies	26,900	26,751	26,340	+0.6	+1.6	-0.8	27,009	27,162	26,682	25,969	+4.0
onstruction materials and supplies	27,645	27,575	27,458	+0.3	+0.4	+0.3	27,384	27,532	27,613	26,280	+4.2
efense products	16,146	15,800	15,757	+2.2	+0.3	+0.7	16,400	16,063	16,095	16,596	-1.2
ther materials, supplies and and intermediate products	154,676	154,490	153,711	+0.1	+0.5	+0.2	153,790	154,878	154,200	149,944	+2.6
able goods industries :											
londefense capital goods [3]	107,381	108,103	107,363	-0.7	+0.7	+1.1	106,881	109,883	107,789	99,650	+7.3
Excluding aircraft and parts	71,807	72,127	72,065	-0.4	+0.1	+1.1	71,516	73,555	72,661	70,141	+2.0
efense capital goods [4]	16,485	16,111	16,043	+2.3	+0.4	+0.7	16,812	16,443	16,444	17,085	-1.6
urables excluding capital goods	158,194	157,664	157,394	+0.3	+0.2	+0.2	157,705	158,707	158,133	153,183	+3.0
cellaneous series :											
roducers' durable equipment	182,407	183,108	183,008	-0.4	+0.1	+0.7	181,696	185,541	183,833	173,050	+5.0
lousehold durable goods	16,288	16,377	16,424	-0.5	-0.3	+1.9	16,188	16,696	16,653	15,636	+3.5
nformation technology industries	34,996	35,289	35,360	-0.8	-0.2	+1.5	34,869	36,419	35,904	34,755	+0.3
lealth care equipment and products	17,648	17,448	17,455	+1.1	0.0	+1.0	17,652	17,741	17,673	16,465	+7.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1997[p]	Aug. 1997[r]	July 1997	Aug.-Sept.	July-Aug.	June-July	Sept. 1997[p]	Aug. 1997[r]	July 1997	Sept. 1996	Sept. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	148,458	147,304	147,367	+0.8	0.0	+0.2	148,507	147,792	147,709	145,544	+2.0
Durable goods industries	87,211	86,360	86,461	+1.0	-0.1	+0.4	87,771	87,291	86,910	85,337	+2.9
Stone, clay, and glass products	2,909	2,873	2,912	+1.3	-1.3	+0.7	2,919	2,907	2,915	2,839	+2.8
Primary metals	7,995	8,035	8,045	-0.5	-0.1	+1.0	8,080	8,118	8,013	7,814	+3.4
Fabricated metal products	10,676	10,468	10,464	+2.0	0.0	+0.7	10,618	10,446	10,500	10,098	+5.1
Industrial machinery and equipment	18,363	18,124	18,252	+1.3	-0.7	-0.4	18,559	18,622	18,352	18,842	-1.5
Electronic and other electrical equipment	13,704	13,629	13,829	+0.6	-1.4	+1.0	13,833	13,827	14,070	13,674	+1.2
Transportation equipment	14,926	14,713	14,684	+1.4	+0.2	+1.8	14,915	14,770	14,869	13,915	+7.2
Instruments and related products	8,441	8,395	8,300	+0.5	+1.1	+0.4	8,488	8,489	8,361	8,035	+5.6
Lumber, furniture and miscellaneous durable goods	10,197	10,123	9,975	+0.7	+1.5	-1.6	10,359	10,112	9,830	10,120	+2.4
Nondurable goods industries	61,247	60,944	60,906	+0.5	+0.1	-0.1	60,736	60,501	60,799	60,207	+0.9
Food and kindred products	11,220	11,201	11,214	+0.2	-0.1	-0.3	10,886	10,784	10,871	11,122	-2.1
Tobacco products	5,195	5,186	5,222	+0.2	-0.7	-1.0	5,054	5,017	4,930	4,873	+3.7
Textile mill products	3,183	3,172	3,147	+0.3	+0.8	+0.2	3,087	3,153	3,185	2,880	+7.2
Paper and allied products	7,737	7,683	7,714	+0.7	-0.4	+0.2	7,735	7,652	7,636	7,988	-3.2
Chemicals and allied products	14,563	14,360	14,285	+1.4	+0.5	+0.8	14,562	14,313	14,419	13,804	+5.5
Petroleum and coal products	3,511	3,582	3,531	-2.0	+1.4	-2.6	3,507	3,629	3,572	3,648	-3.9
Rubber and plastics products	6,275	6,212	6,213	+1.0	0.0	0.0	6,237	6,149	6,278	6,093	+2.4
Apparel, printing and publishing and leather goods	9,563	9,548	9,580	+0.2	-0.3	-0.5	9,668	9,804	9,908	9,799	-1.3
WORK IN PROCESS											
All manufacturing industries	142,626	142,775	141,675	-0.1	+0.8	+0.7	143,599	144,887	142,588	136,151	+5.5
Durable goods industries	114,376	114,626	113,931	-0.2	+0.6	+0.8	114,807	116,505	114,819	109,188	+5.1
Stone, clay, and glass products	1,275	1,271	1,171	+0.3	+8.5	-1.3	1,243	1,269	1,205	1,194	+4.1
Primary metals	8,791	8,829	8,837	-0.4	-0.1	-0.3	8,788	8,876	8,997	8,715	+0.8
Fabricated metal products	8,134	8,086	8,102	+0.6	-0.2	+1.2	8,211	8,238	8,194	7,793	+5.4
Industrial machinery and equipment	22,765	22,814	22,747	-0.2	+0.3	+0.3	22,849	23,236	22,986	22,101	+3.4
Electronic and other electrical equipment	15,075	15,066	14,946	+0.1	+0.8	+0.8	15,096	15,299	15,102	15,151	-0.4
Transportation equipment	43,235	43,395	42,807	-0.4	+1.4	+1.3	43,462	44,084	42,748	39,079	+11.2
Instruments and related products	9,903	10,040	10,182	-1.4	-1.4	+1.0	9,899	10,304	10,390	9,967	-0.7
Lumber, furniture and miscellaneous durable goods	5,198	5,125	5,139	+1.4	-0.3	0.0	5,259	5,199	5,197	5,188	+1.4
Nondurable goods industries	28,250	28,149	27,744	+0.4	+1.5	+0.6	28,792	28,382	27,769	26,963	+6.8
Food and kindred products	5,243	5,248	5,064	-0.1	+3.6	+1.4	5,490	4,942	4,616	5,211	+5.4
Tobacco products	137	179	216	-23.5	-17.1	-4.0	154	163	164	231	-33.2
Textile mill products	2,565	2,555	2,556	+0.4	0.0	+0.1	2,593	2,580	2,584	2,583	+0.4
Paper and allied products	1,789	1,735	1,686	+3.1	+2.9	-0.2	1,778	1,757	1,725	1,673	+6.3
Chemicals and allied products	7,630	7,518	7,484	+1.5	+0.5	+0.5	7,714	7,651	7,659	6,822	+13.1
Petroleum and coal products	2,616	2,630	2,589	-0.5	+1.6	-2.0	2,634	2,689	2,601	2,707	-2.7
Rubber and plastics products	2,301	2,267	2,236	+1.5	+1.4	+1.1	2,287	2,248	2,204	2,073	+10.3
Apparel, printing and publishing and leather goods	5,969	6,017	5,913	-0.8	+1.8	+1.5	6,142	6,352	6,216	5,663	+8.5
FINISHED GOODS											
All manufacturing industries	158,052	158,368	157,560	-0.2	+0.5	+0.3	156,564	159,449	157,826	150,255	+4.2
Durable goods industries	80,473	80,892	80,408	-0.5	+0.6	+0.5	78,820	81,237	80,637	75,393	+4.5
Stone, clay, and glass products	4,561	4,563	4,618	0.0	-1.2	-1.7	4,390	4,498	4,660	4,222	+4.0
Primary metals	8,023	8,031	7,920	-0.1	+1.4	-0.1	7,883	7,977	7,881	7,780	+1.3
Fabricated metal products	10,082	10,085	9,981	0.0	+1.0	-1.2	9,805	9,984	10,124	9,162	+7.0
Industrial machinery and equipment	18,990	19,303	19,188	-1.6	+0.6	+2.2	18,261	19,312	19,025	17,652	+3.5
Electronic and other electrical equipment	11,207	11,481	11,515	-2.4	-0.3	+2.9	11,020	11,820	11,727	10,471	+5.2
Transportation equipment	9,682	9,378	9,405	+3.2	-0.3	-3.1	9,704	9,517	9,486	9,075	+6.9
Instruments and related products	6,539	6,584	6,518	-0.7	+1.0	-0.2	6,615	6,717	6,547	6,561	+0.8
Lumber, furniture and miscellaneous durable goods	11,389	11,467	11,263	-0.7	+1.8	+1.3	11,142	11,412	11,187	10,470	+6.4
Nondurable goods industries	77,579	77,476	77,152	+0.1	+0.4	+0.1	77,744	78,212	77,189	74,862	+3.8
Food and kindred products	18,893	18,780	18,825	+0.6	-0.2	-0.7	19,821	19,304	18,476	19,231	+3.1
Tobacco products	707	775	785	-8.8	-1.3	+12.0	704	654	601	766	-8.1
Textile mill products	4,566	4,567	4,538	0.0	+0.6	+0.3	4,433	4,653	4,611	4,319	+2.6
Paper and allied products	6,633	6,523	6,459	+1.7	+1.0	+0.4	6,525	6,490	6,439	6,644	-1.8
Chemicals and allied products	20,926	20,755	20,778	+0.8	-0.1	+0.1	20,569	20,624	20,597	19,734	+4.2
Petroleum and coal products	6,072	6,219	6,051	-2.4	+2.8	-0.7	6,158	6,276	6,152	5,964	+3.3
Rubber and plastics products	7,740	7,882	7,850	-1.8	+0.4	+0.3	7,447	7,762	7,799	6,999	+6.4
Apparel, printing and publishing and leather goods	12,042	11,975	11,866	+0.6	+0.9	+0.6	12,087	12,449	12,514	11,205	+7.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1997[p]	Aug. 1997[r]	July 1997	June 1997	Sept. 1997[p]	Aug. 1997[r]	July 1997	June 1997
All manufacturing industries	1.34	1.36	1.34	1.35	2.79	2.85	2.80	2.84
rable goods industries	1.52	1.56	1.53	1.55	3.30	3.38	3.32	3.36
tone, clay, and glass products	1.13	1.15	1.11	1.17	0.86	0.89	0.88	0.97
rimary metals	1.60	1.62	1.59	1.60	2.15	2.10	2.04	2.01
abricated metal products	1.49	1.50	1.50	1.51	1.46	1.46	1.46	1.46
ndustrial machinery and equipment	1.72	1.77	1.72	1.74	2.24	2.30	2.23	2.26
lectronic and other electrical equipment	1.29	1.33	1.37	1.34	1.80	1.83	1.75	1.84
ransportation equipment	1.57	1.58	1.52	1.57	10.94	11.30	10.87	11.17
nstruments and related products	1.83	1.91	1.88	1.89	3.55	3.74	3.70	3.58
ndurable goods industries	1.11	1.12	1.11	1.12	0.70	0.71	0.71	0.71
ood and kindred products	0.88	0.87	0.87	0.88	(X)	(X)	(X)	(X)
obacco products	1.80	1.91	1.96	1.94	(X)	(X)	(X)	(X)
extile mill products	1.49	1.51	1.47	1.52	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.17	1.18	1.19	1.19	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.31	1.31	1.30	1.29	(X)	(X)	(X)	(X)
etroleum and coal products	0.79	0.79	0.80	0.82	(X)	(X)	(X)	(X)
ubber and plastics products	1.30	1.33	1.30	1.32	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1997	Sept.[2] 1992-1996	Sept. 1996-Aug. 1997	Sept.[1] 1997	Sept.[2] 1992-1996	Sept. 1996-Aug. 1997	Sept.[1] 1997	Sept.[2] 1992-1996	Sept. 1996-Aug. 1997	Sept.[1] 1997	Sept.[2] 1992-1996	Sept. 1996-Aug. 1997
ll manufacturing industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.1	0.0
able goods industries	0.2	0.1	0.2	0.7	0.2	0.3	0.1	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.5	0.5	(X)	0.6	0.9	(X)	0.2	0.8	(X)	0.1	0.2
imary metals	-0.1	0.2	0.2	-0.1	0.9	0.8	-0.1	0.5	0.3	(X)	0.1	0.0
bricated metal products	(X)	0.4	0.3	(X)	0.6	0.6	(X)	0.2	0.4	(X)	0.2	0.1
dustrial machinery and equipment	0.2	0.4	0.5	0.2	0.6	0.8	0.1	0.1	0.2	(X)	0.1	0.1
ectronic and other electrical equipment	-0.1	0.4	0.5	0.1	0.7	1.2	0.2	0.2	0.5	(X)	0.2	0.1
ansportation equipment	0.1	0.6	0.4	2.1	1.0	1.0	0.2	0.1	0.2	(X)	0.2	0.1
struments and related products	(X)	0.3	0.5	(X)	1.1	1.4	(X)	0.2	0.3	(X)	0.4	0.2
ndurable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.5	0.3	(X)	0.1	0.1
ood and kindred products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
obacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
extile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
aper and allied products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
hemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
etroleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5
ubber and plastics products	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
ital goods industries :												
ondefense	0.1	0.4	0.4	0.7	0.6	0.5	0.2	0.0	0.1	(X)	0.1	0.1
efense	-0.1	0.6	0.6	11.2	3.1	3.3	0.2	0.1	0.2	(X)	0.2	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

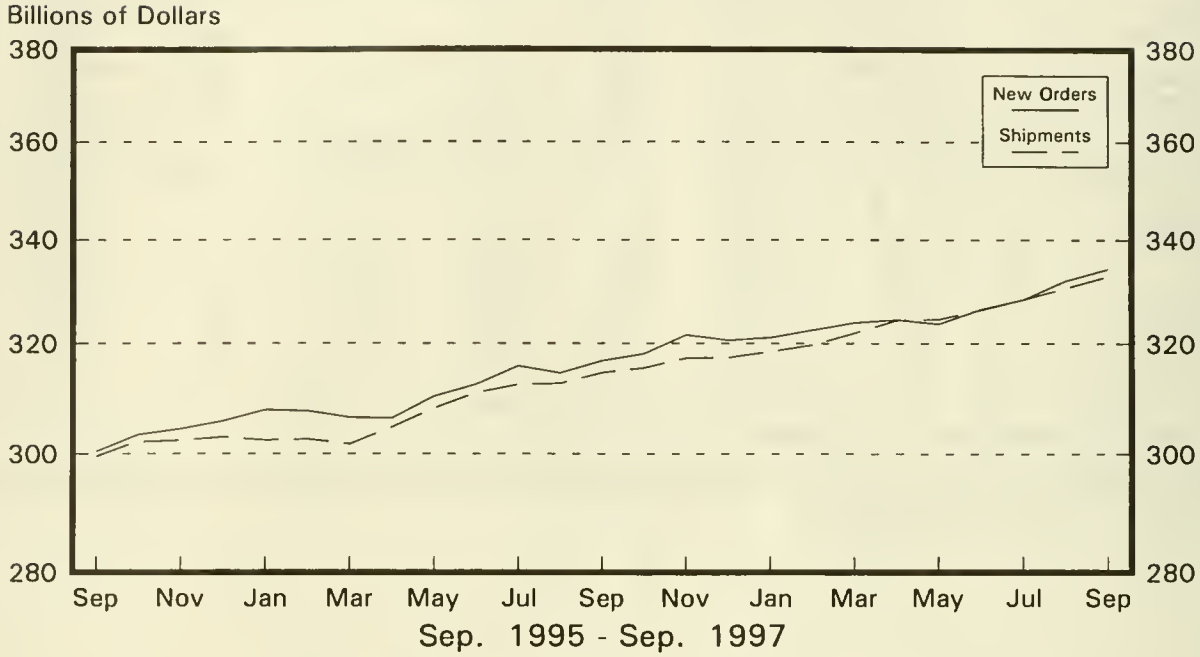
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

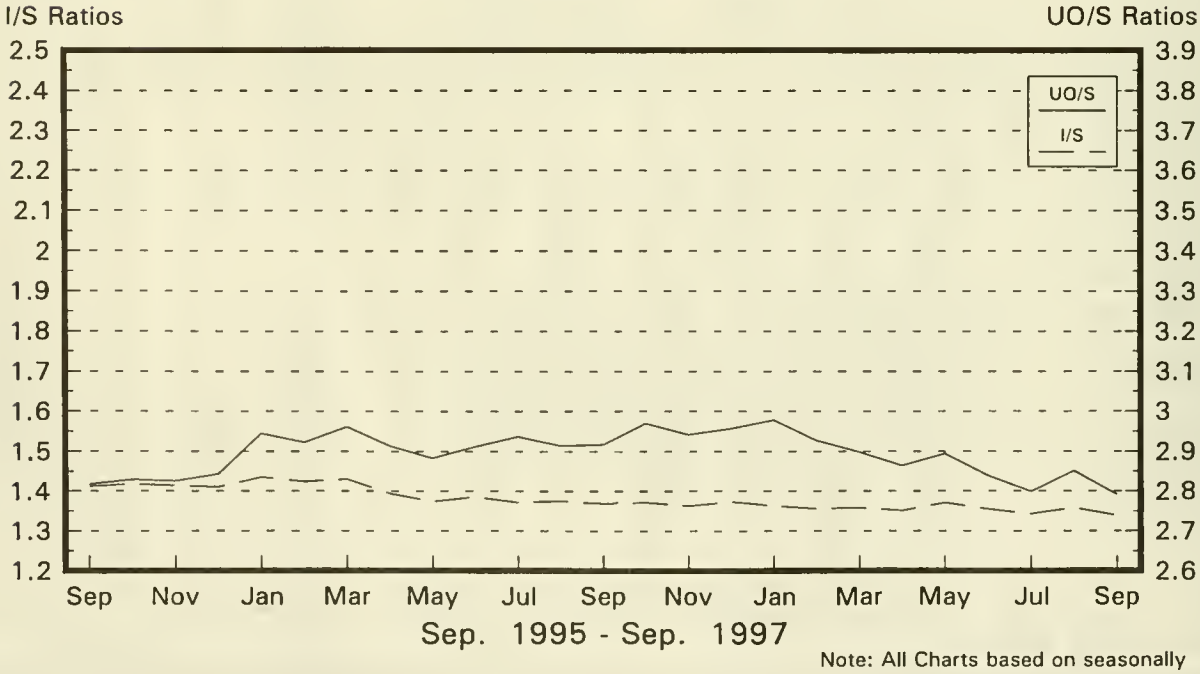
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

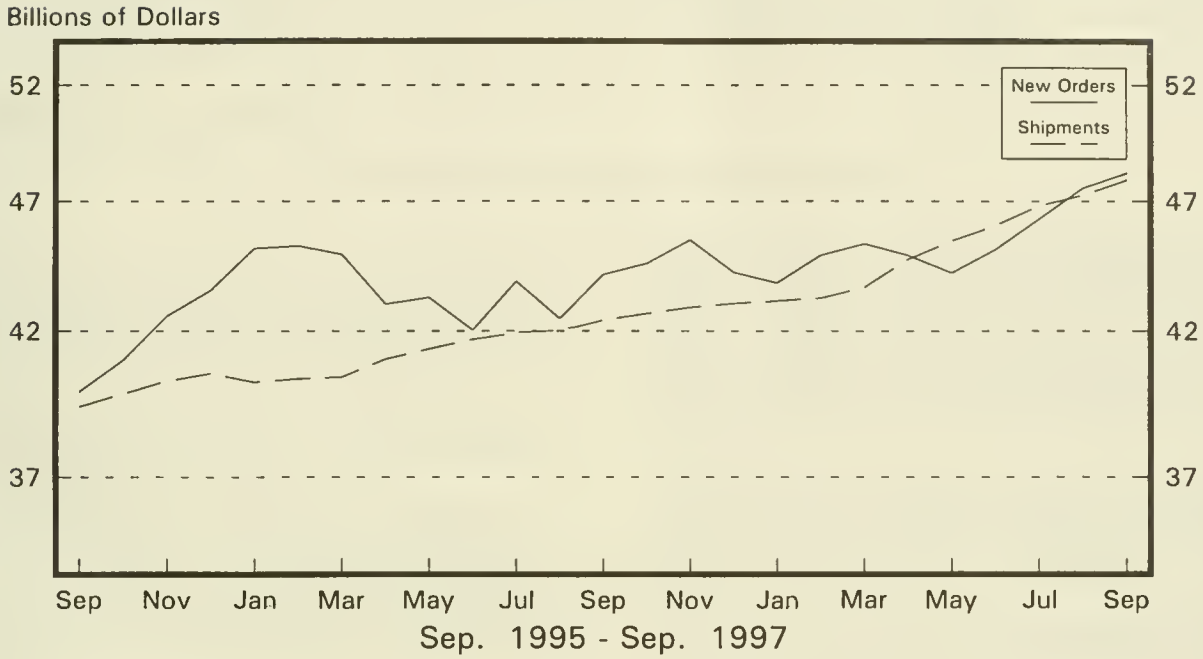
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

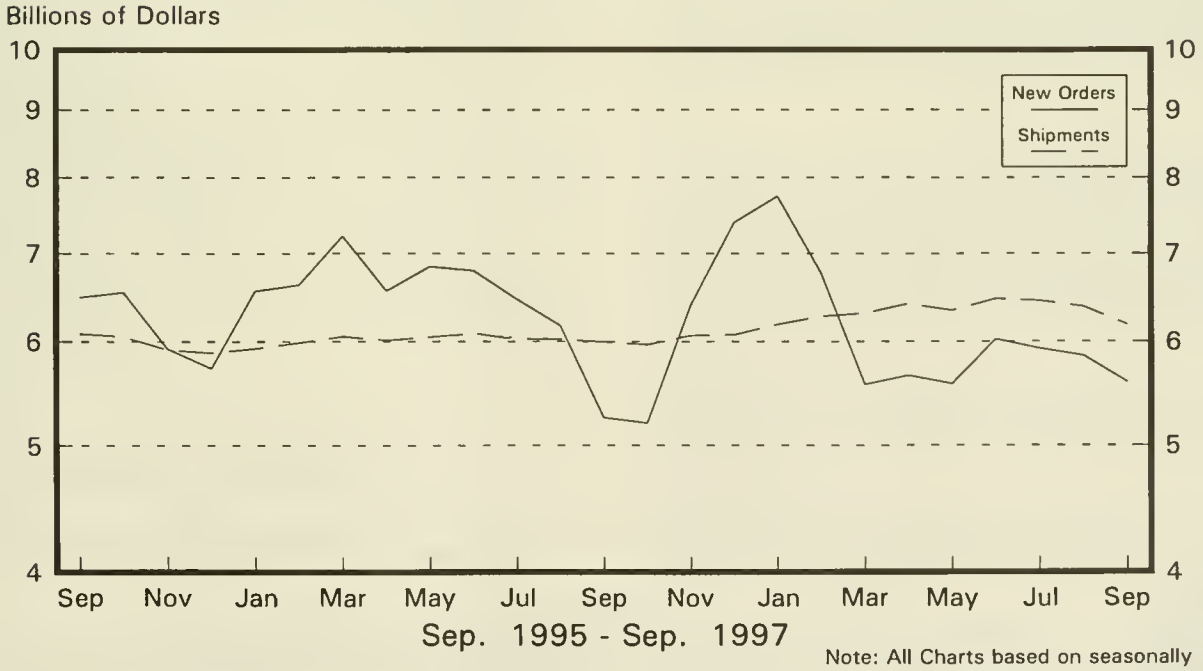
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

October 1997
M3-1-(97)-10
For Wire Transmissions 10:00 a.m. E.S.T. December 5, 1997

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October increased $1.0 billion or 0.3 percent to $337.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent September increase and is the fifth consecutive monthly increase. Excluding transportation. new orders decreased 0.6 percent, the first decrease since May. Year to date, new orders are 5.1 percent above the same period a year ago.

Shipments decreased $0.2 billion or 0.1 percent to $335.2 billion, following a 1.6 percent September increase. This is the second decrease in the last three months and the fourth this year. Year to date, shipments are 5.8 percent above the same period a year ago.

Unfilled orders, up five of the last six months, increased $2.1 billion or 0.4 percent to $530.0 billion, following a 0.2 percent September increase The unfilled orders-to-shipments ratio was 2.81, up from 2.78 in September

Inventories, up fifteen of the last sixteen months, increased $2.0 billion or 0.4 percent to $451.1 billion, following a 0.2 percent September increase. The inventories-to-shipments ratio was 1.35, up from 1.34 in September.

New Orders

New orders for manufactured durable goods in October decreased $0.3 billion or 0.1 percent to $186.0 billion, revised from the previously published 0.3 percent decrease. This follows a slight September increase and is the first decline since May

Primary metals had the largest decrease, $1.2 billion or 6.9 percent to $15.6 billion, following a 5.0 percent September increase. This is the second decrease in the last three months and the third this year. Electronic and other electrical equipment, down four of the last five months, decreased $1.1 billion or 3.4 percent to $30.4 billion, led by a decrease in communication equipment. This follows a 7.8 percent September decrease. Industrial machinery and equipment, down two of the last three months, decreased $0.6 billion or 1.7 percent to $34.8 billion. This follows a 1.9 percent September increase. Fabricated metal products, down three of the last four months, declined $0.2 billion or 0.9 percent to $19.6 billion, following a 3.3 percent September increase. Transportation equipment, up two of the last three months, increased $2.6 billion or 6.2 percent to $44.9 billion, due to increases in aircraft and parts and motor vehicles and parts. This follows a 1.7 percent September decrease. Instruments and related products, up four of the last five months, increased $0.6 billion or 4.4 percent to $13.5 billion. This follows a 2.3 percent September increase.

New orders for nondurable goods, up four of the last five months, increased $1.2 billion or 0.8 percent to $151.3 billion, following a 0.8 percent September increase. Food and kindred products and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in October, down two of the last three months, decreased $1.3 billion or 0.7 percent to $184.2 billion, unrevised from the previously published 0.7 percent decrease. This follows a 2.4 percent September increase and is the third decline this year.

Electronic and other electrical equipment, down for the first month since July, had the largest decrease, $0.7 billion or 2.4 percent to $30.3 billion This follows a 2.6 percent September increase. Industrial machinery and equipment, down two of the last three months, decreased $0.1 billion or 0.2 percent to $35.1 billion. This follows a 3.2 percent September increase. Fabricated metal products, down for the first month since May, declined 0.2 percent to $19.4 billion. This follows a 1.8 percent September increase. Instruments and related products, down two of the last three months, declined 0.3 percent to $13.8 billion, following a 5.5 percent September increase. Transportation equipment increased 0.1 percent to $43.3 billion, as increases in motor vehicles and parts and shipbuilding and tanks more than offset decreases in aircraft and parts and railroad equipment. This follows a 1.2 percent September increase and is the fourth increase in the last five months.

Shipments of nondurable goods, up three of the last four months, increased $1.1 billion or 0.8 percent to $151.0 billion. This follows a 0.6 percent September increase. Food and kindred products had the largest increase, $0.6 billion or 1.5 percent to $40.3 billion. This follows a 1.3 percent September decrease and is the third increase in the last four months

Unfilled Orders

Unfilled orders for durable goods in October increased $1.8 billion or 0.4 percent to $503.5 billion, revised from the previously published 0.3 percent increase. This follows a 0.1 percent September increase and is the fifth increase in the last six months.

Transportation equipment had the largest increase, $1.6 billion or 0.7 percent to $250.6 billion, with all industries increasing except shipbuilding and tanks. This follows a 0.4 percent September decrease and is the second increase in the last three months. Fabricated metal products, up for the twenty-second consecutive month, increased $0.2 billion or 0.8 percent to $26.9 billion. This follows a 1.4 percent September increase. Electronic and other electrical equipment, up five of the last six months, increased $0.1 billion or 0.2 percent to $55.9 billion. This follows a 0.8 percent September increase. Industrial machinery and equipment, down for the first month since June, decreased $0.3 billion or 0.4 percent to $73.5 billion, following a 0.3 percent September increase. Instruments and related products declined for the third consecutive month, $0.2 billion or 0.4 percent to $47.9 billion. This follows a 1.7 percent September decline.

Inventories

Inventories of durable goods in October, up fourteen of the last sixteen months, increased $0.8 billion or 0.3 percent to $282.6 billion. This follows a slight September decrease. Industrial machinery and equipment, up six of the last seven months, had the largest increase, $0.3 billion or 0.6 percent to $60.4 billion. This follows a 0.3 percent September decline. Transportation equipment, up for the twenty-second consecutive month, increased $0.2 billion or 0.3 percent to $67.8 billion. This follows a 0.1 percent September increase. Fabricated metal products, up for the thirteenth consecutive month, increased $0.1 billion or 0.4 percent to $29.0 billion, following a 0.8 percent September increase.

Inventories of nondurable goods, up fourteen of the last fifteen months, increased $1.2 billion or 0.7 percent to $168.6 billion, following a 0.5 percent September increase. Chemicals and allied products had the largest increase, $0.6 billion or 1.4 percent to $43.8 billion. This is the fifteenth consecutive monthly increase.

By stage of fabrication, October finished goods increased 0.9 percent in durables and 0.7 percent in nondurables Work in process decreased 0.1 percent in durables and increased 1.4 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.3 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for November is scheduled for December 23, 1997 at 10:00 a.m. and the full report on January 6, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96	1997[p]	1996
All manufacturing industries	335,188	335,366	330,178	-0.1	+1.6	-0.8	344,791	357,830	331,637	325,541	+5.9	3,282,868	3,102,596
Manufacturing Industries													
with unfilled orders	188,556	189,592	184,837	-0.5	+2.6	-0.9	191,697	205,542	183,677	176,175	+8.8	1,828,883	1,706,094
without defense capital goods	328,807	329,203	324,062	-0.1	+1.6	-0.8	338,510	351,266	325,755	319,954	+5.8	3,221,117	3,043,890
Durable goods industries	184,192	185,496	181,131	-0.7	+2.4	-1.5	188,499	200,278	178,524	173,673	+8.5	1,792,779	1,663,203
With unfilled orders	150,723	152,156	148,026	-0.9	+2.8	-1.0	152,277	165,611	145,242	139,235	+9.4	1,462,475	1,348,089
Stone, clay, and glass products	7,685	7,718	7,588	-0.4	+1.7	-3.4	8,388	8,348	8,132	7,901	+6.2	77,016	70,305
Primary metals	15,562	15,567	15,392	0.0	+1.1	-1.1	15,899	15,996	15,320	14,900	+6.7	155,042	145,525
Blast furnaces, steel mills	6,201	6,197	6,161	+0.1	+0.6	-1.6	6,381	6,336	6,136	6,252	+2.1	62,813	60,822
Iron and steel foundries	1,570	1,511	1,472	+3.9	+2.6	-5.6	1,688	1,593	1,530	1,482	+13.9	15,023	14,090
Nonferrous and other primary metals	7,791	7,859	7,759	-0.9	+1.3	+0.2	7,830	8,067	7,654	7,166	+9.3	77,206	70,613
Fabricated metal products	19,407	19,447	19,094	-0.2	+1.8	+0.3	20,548	20,555	19,591	19,262	+6.7	190,651	180,435
Industrial machinery and equipment	35,062	35,126	34,042	-0.2	+3.2	-2.6	33,957	38,923	31,747	30,728	+10.5	335,786	312,560
Engines and turbines	2,009	1,910	1,936	+5.2	-1.3	-2.6	1,861	2,204	1,690	1,630	+14.2	18,231	17,771
Farm and garden machinery	2,068	2,172	2,086	-4.8	+4.1	-7.7	1,952	2,035	1,715	1,824	+7.0	21,134	19,382
Construction, mining and material handling equipment	3,951	3,929	3,866	+0.6	+1.6	+0.2	3,943	3,935	3,696	3,547	+11.2	38,115	34,629
Metalworking machinery	3,538	3,667	3,530	-3.5	+3.9	-1.6	3,772	4,133	3,328	3,389	+11.3	33,931	29,885
Computer and office equipment	9,305	9,475	9,323	-1.8	+1.6	-1.6	8,123	12,217	8,377	7,364	+10.3	88,333	81,177
Electronic and other electrical equipment	30,272	31,007	30,214	-2.4	+2.6	+2.9	30,376	34,815	29,377	27,781	+9.3	288,945	263,006
Electrical transmission and distribution equipment and industrial apparatus	3,439	3,511	3,260	-2.1	+7.7	-2.7	3,357	3,971	3,198	3,128	+7.3	33,153	31,492
Household appliances	2,145	2,136	1,993	+0.4	+7.2	+0.3	2,177	2,311	2,058	1,978	+10.1	20,508	19,635
Electric lighting and wiring equipment	2,197	2,230	2,133	-1.5	+4.5	-0.9	2,171	2,450	2,110	1,991	+9.0	21,079	19,736
Household audio and video equipment	1,274	1,300	1,284	-2.0	+1.2	-0.2	1,733	1,642	1,367	1,724	+0.5	12,771	12,122
Communications equipment	6,737	6,736	6,990	0.0	-3.6	+5.1	6,370	7,562	6,386	5,537	+15.0	61,207	53,100
Electronic components	12,274	12,764	12,404	-3.8	+2.9	+4.0	12,102	14,269	12,165	11,041	+9.6	118,807	105,690
Transportation equipment	43,311	43,266	42,773	+0.1	+1.2	-2.7	45,385	45,197	42,082	41,227	+10.1	422,287	392,215
Motor vehicles and parts	30,840	29,875	29,954	+3.2	-0.3	-1.2	33,571	30,869	29,900	30,434	+10.3	295,760	282,211
Aircraft, missiles, space vehicles, and parts.	9,833	10,490	10,152	-6.3	+3.3	-7.5	9,156	11,223	9,570	8,130	+12.6	99,421	82,271
Shipbuilding and tanks	918	851	862	+7.9	-1.3	-6.1	835	877	838	752	+11.0	8,749	8,901
Instruments and related products	13,759	13,795	13,077	-0.3	+5.5	-1.9	13,433	14,984	12,712	11,976	+12.2	129,993	120,253
Search and navigation equipment	2,961	2,835	2,633	+4.4	+7.7	-4.3	2,831	3,106	2,522	2,283	+24.0	26,481	23,889
Measuring and controlling devices	4,074	4,109	3,996	-0.9	+2.8	-1.2	3,960	4,454	3,960	3,588	+10.4	38,761	35,999
Medical instruments and supplies	4,348	4,399	4,085	-1.2	+7.7	-1.6	4,174	4,787	3,993	3,791	+10.1	41,168	38,420
Photographic goods	1,910	1,987	1,902	-3.9	+4.5	-0.4	2,011	2,155	1,776	1,919	+4.8	19,066	18,261
All other durable goods	19,134	19,570	18,951	-2.2	+3.3	-4.1	20,513	21,460	19,563	19,898	+3.1	193,059	178,904
Nondurable goods industries	150,996	149,870	149,047	+0.8	+0.6	0.0	156,292	157,552	153,113	151,868	+2.9	1,490,089	1,439,393
With unfilled orders	37,833	37,436	36,811	+1.1	+1.7	-0.6	39,420	39,931	38,435	36,940	+6.7	366,408	358,005
Food and kindred products	40,341	39,756	40,298	+1.5	-1.3	+0.1	42,323	41,897	41,127	41,927	+0.9	400,384	391,369
Meat products	8,649	8,620	8,999	+0.3	-4.2	-0.1	8,986	8,971	9,378	9,215	-2.5	88,566	87,583
Dairy products	5,043	4,978	5,031	+1.3	-1.1	+0.6	5,028	5,119	5,142	5,069	-0.8	49,936	48,950
Beverages	6,190	6,019	5,892	+2.8	+2.2	+0.2	6,128	6,179	6,418	5,617	+9.1	59,553	57,651
All other foods, except fats and oils	18,318	18,101	18,387	+1.2	-1.6	-0.3	20,040	19,590	18,200	19,923	+0.6	182,108	177,808
Tobacco products	3,380	3,375	3,215	+0.1	+5.0	+1.1	3,454	3,336	3,324	3,013	+14.6	31,952	28,536
Textile mill products	6,894	6,897	6,824	0.0	+1.1	-1.8	7,188	7,662	7,190	6,804	+5.6	68,841	65,701
Broadwoven fabrics and other textiles	4,296	4,200	4,126	+2.3	+1.8	-3.4	4,348	4,636	4,301	4,057	+7.2	42,215	40,828
Paper and allied products	14,047	13,824	13,528	+1.6	+2.2	+1.2	14,355	14,309	13,797	13,523	+6.2	135,322	136,005
Pulp, paper, and paperboard mill products	5,605	5,499	5,399	+1.9	+1.9	+3.8	5,672	5,662	5,502	5,364	+5.7	53,453	55,056
Paperboard containers and boxes	3,407	3,338	3,224	+2.1	+3.5	-0.3	3,547	3,423	3,305	3,377	+5.0	32,965	33,346
Miscellaneous converted paper products	5,035	4,987	4,905	+1.0	+1.7	-0.5	5,136	5,224	4,990	4,782	+7.4	48,904	47,603
Chemicals and allied products	33,016	32,872	32,449	+0.4	+1.3	-0.9	32,570	33,884	32,025	31,744	+2.6	328,633	311,320
Industrial chemicals	16,083	16,152	15,943	-0.4	+1.3	+0.1	15,810	16,412	16,100	15,153	+4.3	161,204	152,906
Drugs, soaps, and toiletries	12,753	12,673	12,556	+0.6	+0.9	-2.2	13,187	13,965	12,296	13,277	-0.7	125,828	118,680
Petroleum and coal products	15,625	15,501	15,814	+0.8	-2.0	+4.0	16,026	15,919	16,630	16,627	-3.6	154,427	148,054
Rubber and plastics products	12,727	12,620	12,340	+0.8	+2.3	-1.3	13,187	13,142	12,572	12,395	+6.4	126,025	121,644
All other nondurable goods	24,966	25,025	24,579	-0.2	+1.8	-1.1	27,189	27,403	26,448	25,835	+5.2	244,505	236,764

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96	1997[p]	1996
All manufacturing industries	337,243	336,264	335,040	+0.3	+0.4	+1.2	348,594	353,389	335,065	333,193	+4.6	3,297,158	3,136,010
Manufacturing industries													
with unfilled orders	190,611	190,490	189,699	+0.1	+0.4	+2.7	195,500	201,101	187,105	183,827	+6.3	1,843,173	1,739,508
without defense capital goods	332,312	330,815	329,733	+0.5	+0.3	+1.4	344,111	347,984	331,001	328,331	+4.8	3,244,907	3,076,674
Durable goods industries	185,950	186,210	186,195	-0.1	0.0	+2.5	192,879	196,409	182,669	181,955	+6.0	1,806,046	1,695,632
With unfilled orders	152,481	152,870	153,090	-0.3	-0.1	+3.9	156,657	161,742	149,387	147,517	+6.2	1,475,742	1,380,518
Stone, clay, and glass products	7,764	7,720	7,389	+0.6	+4.5	-2.3	8,210	8,275	7,955	7,498	+9.5	76,698	69,878
Primary metals	15,558	16,709	15,919	-6.9	+5.0	-2.1	15,546	16,536	15,461	14,288	+8.8	158,713	146,629
Blast furnaces, steel mills	6,491	6,489	6,224	0.0	+4.3	-4.4	6,482	6,144	6,109	5,928	+9.3	64,118	61,110
Iron and steel foundries	1,560	1,643	1,528	-5.1	+7.5	-8.3	1,653	1,664	1,489	1,337	+23.6	15,730	14,613
Nonferrous and other primary metals	7,507	8,577	8,167	-12.5	+5.0	+1.1	7,411	8,728	7,863	7,023	+5.5	78,865	70,906
Fabricated metal products	19,632	19,817	19,186	-0.9	+3.3	-0.4	20,475	20,741	19,590	19,262	+6.3	193,198	182,236
Industrial machinery and equipment	34,769	35,361	34,704	-1.7	+1.9	-1.1	34,668	38,933	32,296	31,728	+9.3	337,138	314,673
Engines and turbines	2,125	1,874	2,097	+13.4	-10.6	+12.1	2,259	2,520	1,973	2,071	+9.1	17,818	17,899
Construction, mining and material handling equipment	4,247	4,111	4,050	+3.3	+1.5	+1.1	4,413	4,077	3,740	3,278	+34.6	39,242	34,794
Metalworking machinery	3,481	3,267	3,713	+6.6	-12.0	+8.4	3,715	3,733	3,511	3,367	+10.3	33,377	30,568
Computer and office equipment	8,889	9,469	9,154	-6.1	+3.4	-2.2	7,937	11,990	8,182	7,966	-0.4	86,867	81,895
Electronic and other electrical equipment	30,389	31,461	34,123	-3.4	-7.8	+29.4	33,374	32,854	33,891	33,545	-0.5	298,338	267,691
Electrical transmission and distribution equipment and industrial apparatus	3,104	3,452	3,197	-10.1	+8.0	-2.3	3,045	3,820	3,115	3,232	-5.8	32,941	31,743
Electric lighting and wiring equipment	2,367	2,114	2,242	+12.0	-5.7	-3.7	2,341	2,334	2,219	2,057	+13.8	21,454	20,195
Communications equipment	6,497	7,170	6,867	-9.4	+4.4	+8.6	6,173	8,041	6,218	6,807	-9.3	63,738	54,011
Electronic components	12,720	12,774	16,235	-0.4	-21.3	+79.0	15,300	12,136	16,460	15,339	-0.3	123,964	108,296
Transportation equipment	44,937	42,324	43,038	+6.2	-1.7	+3.1	46,567	43,599	41,612	43,457	+7.2	414,860	415,748
Aircraft, missiles, space vehicles, and parts	11,010	8,804	10,972	+25.1	-19.8	+23.5	10,074	9,028	9,586	11,330	-11.1	92,717	106,796
Shipbuilding and tanks	451	990	500	-54.4	+98.0	-8.9	403	1,026	391	363	+11.0	6,736	8,268
Instruments and related products	13,545	12,980	12,693	+4.4	+2.3	-17.5	13,298	14,023	12,187	12,052	+10.3	131,750	118,516
Search and navigation equipment	2,646	2,375	2,299	+11.4	+3.3	-48.8	2,384	2,665	2,028	2,210	+7.9	26,704	21,828
Measuring and controlling devices	4,362	3,783	3,957	+15.3	-4.4	-2.6	4,248	4,128	3,921	3,668	+15.8	38,952	35,581
Medical instruments and supplies	4,410	4,389	4,230	+0.5	+3.8	+3.2	4,532	4,635	4,223	3,822	+18.6	41,912	38,948
All other durable goods	19,356	19,838	19,143	-2.4	+3.6	-4.2	20,741	21,448	19,677	20,125	+3.1	195,351	180,261
Nondurable goods industries	151,293	150,054	148,845	+0.8	+0.8	-0.4	155,715	156,980	152,396	151,238	+3.0	1,491,112	1,440,378
With unfilled orders	38,130	37,620	36,609	+1.4	+2.8	-2.2	38,843	39,359	37,718	36,310	+7.0	367,431	358,990

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96
All manufacturing industries	529,986	527,931	527,033	+0.4	+0.2	+0.9	526,509	522,706	527,147	510,448	+3.1
Manufacturing industries without defense capital goods	425,302	421,797	420,185	+0.8	+0.4	+1.4	424,331	418,730	422,012	405,516	+4.6
Durable goods industries	503,499	501,741	501,027	+0.4	+0.1	+1.0	500,841	496,461	500,330	486,442	+3.0
Stone, clay, and glass products	6,477	6,398	6,396	+1.2	0.0	-3.0	6,259	6,437	6,510	6,382	-1.9
Primary metals	33,418	33,422	32,280	0.0	+3.5	+1.7	32,109	32,462	31,922	28,296	+13.5
Blast furnaces, steel mills	13,487	13,197	12,905	+2.2	+2.3	+0.5	12,840	12,739	12,931	11,796	+8.9
Iron and steel foundries	5,143	5,153	5,021	-0.2	+2.6	+1.1	4,999	5,034	4,963	4,058	+23.2
Nonferrous and other primary metals	14,788	15,072	14,354	-1.9	+5.0	+2.9	14,270	14,689	14,028	12,442	+14.7
Fabricated metal products	26,897	26,672	26,302	+0.8	+1.4	+0.4	26,777	26,850	26,664	23,990	+11.6
Industrial machinery and equipment	73,546	73,839	73,604	-0.4	+0.3	+0.9	73,516	72,805	72,795	72,826	+0.9
Engines and turbines	11,829	11,713	11,749	+1.0	-0.3	+1.4	12,288	11,890	11,574	12,422	-1.1
Construction, mining and material handling equipment	9,955	9,659	9,477	+3.1	+1.9	+2.0	9,756	9,286	9,144	8,533	+14.3
Metalworking machinery	7,656	7,713	8,113	-0.7	-4.9	+2.3	7,656	7,713	8,113	8,849	-13.5
Computer and office equipment	8,176	8,592	8,598	-4.8	-0.1	-1.9	8,315	8,501	8,728	10,164	-18.2
Electronic and other electrical equipment	55,902	55,785	55,331	+0.2	+0.8	+7.6	57,255	54,257	56,218	54,158	+5.7
Electrical transmission and distribution equipment and industrial apparatus	6,143	6,478	6,537	-5.2	-0.9	-1.0	6,090	6,402	6,553	6,336	-3.9
Electric lighting and wiring equipment	4,789	4,619	4,735	+3.7	-2.4	+2.4	4,789	4,619	4,735	4,341	+10.3
Communications equipment	14,877	15,117	14,683	-1.6	+3.0	-0.8	14,931	15,128	14,649	14,413	+3.6
Electronic components	23,597	23,151	23,141	+1.9	0.0	+19.8	24,918	21,720	23,853	23,938	+4.1
Transportation equipment	250,597	248,971	249,913	+0.7	-0.4	+0 1	248,308	247,126	248,724	248,068	+0.1
Aircraft, missiles, space vehicles, and parts.	218,310	217,133	218,819	+0.5	-0.8	+0.4	216,205	215,287	217,482	217,090	-0.4
Shipbuilding and tanks	17,384	17,851	17,712	-2.6	+0.8	-2.0	17,440	17,872	17,723	17,802	-2.0
Instruments and related products	47,877	48,091	48,906	-0.4	-1.7	-0.8	47,569	47,704	48,665	44,819	+6.1
Search and navigation equipment	28,295	28,610	29,070	-1.1	-1.6	-1.1	27,840	28,287	28,728	26,716	+4.2
Measuring and controlling devices	9,938	9,650	9,976	+3.0	-3.3	-0.4	9,938	9,650	9,976	9,306	+6.8
Medical instruments and supplies	7,994	7,932	7,942	+0.8	-0.1	+1.9	8,170	7,812	7,964	7,846	+4.1
All other durable goods	8,785	8,563	8,295	+2.6	+3.2	+2.4	9,048	8,820	8,832	7,903	+14.5
Nondurable goods industries	26,487	26,190	26,006	+1.1	+0.7	-0.8	25,668	26,245	26,817	24,006	+6.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96
All manufacturing industries	451,143	449,152	448,447	+0.4	+0.2	+0.4	452,199	448,616	452,128	434,837	+4.0
Manufacturing industries											
with unfilled orders	298,681	297,714	298,344	+0.3	-0.2	+0.4	298,791	297,372	302,607	287,970	+3.8
without defense capital goods	434,931	432,854	432,336	+0.5	+0.1	+0.4	435,778	432,003	435,685	417,875	+4.3
Durable goods industries	282,587	281,762	281,878	+0.3	0.0	+0.4	282,687	281,112	285,033	271,704	+4.0
With unfilled orders	258,990	258,098	258,940	+0.3	-0.3	+0.4	259,286	257,720	262,433	249,142	+4.1
Stone, clay, and glass products	8,678	8,744	8,707	-0.8	+0.4	+0.1	8,360	8,565	8,674	8,198	+2.0
Primary metals	24,896	24,811	24,895	+0.3	-0.3	+0.4	24,693	24,726	24,971	24,168	+2.2
Blast furnaces, steel mills	12,067	12,060	12,091	+0.1	-0.3	+0.2	12,055	12,060	12,069	12,040	+0.1
Iron and steel foundries	1,637	1,653	1,642	-1.0	+0.7	-0.5	1,603	1,622	1,612	1,615	-0.7
Nonferrous and other primary metals	11,192	11,098	11,162	+0.8	-0.6	+0.7	11,035	11,044	11,290	10,513	+5.0
Fabricated metal products	28,974	28,868	28,639	+0.4	+0.8	+0.3	28,556	28,617	28,668	26,950	+6.0
Industrial machinery and equipment	60,421	60,084	60,241	+0.6	-0.3	+0.1	60,476	59,594	61,170	59,069	+2.4
Engines and turbines	3,788	3,742	3,657	+1.2	+2.3	0.0	3,974	3,832	3,853	3,858	+3.0
Farm and garden machinery	3,314	3,236	3,261	+2.4	-0.8	-1.4	3,125	3,015	3,063	2,820	+10.8
Construction, mining and material handling equipment	7,964	7,940	7,901	+0.3	+0.5	+0.4	7,932	7,864	7,840	7,529	+5.4
Metalworking machinery	7,273	7,187	7,259	+1.2	-1.0	-0.7	7,295	7,246	7,550	7,272	+0.3
Computer and office equipment	11,745	11,915	12,083	-1.4	-1.4	-0.1	11,898	11,675	12,742	12,416	-4.2
Electronic and other electrical equipment	40,021	39,964	40,176	+0.1	-0.5	-0.3	40,245	39,921	40,946	39,607	+1.6
Electrical transmission and distribution equipment and industrial apparatus	5,252	5,246	5,255	+0.1	-0.2	-0.6	5,305	5,238	5,317	5,159	+2.8
Household appliances	2,703	2,748	2,784	-1.6	-1.3	-2.7	2,611	2,599	2,716	2,745	-4.9
Electric lighting and wiring equipment	3,401	3,392	3,382	+0.3	+0.3	+0.2	3,415	3,339	3,448	3,257	+4.9
Household audio and video equipment	1,587	1,546	1,582	+2.7	-2.3	-4.2	1,555	1,586	1,710	1,595	-2.5
Communications equipment	10,840	10,839	10,915	0.0	-0.7	-0.7	10,950	10,897	11,147	10,370	+5.6
Electronic components	12,938	12,847	12,811	+0.7	+0.3	+1.8	13,132	12,901	13,039	13,028	+0.8
Transportation equipment	67,751	67,561	67,486	+0.3	+0.1	+0.9	68,241	67,864	68,371	63,028	+8.3
Motor vehicles and parts	16,707	17,101	16,713	-2.3	+2.3	-1.4	16,780	17,230	16,990	16,896	-0.7
Aircraft, missiles, space vehicles, and parts	46,235	45,753	46,038	+1.1	-0.6	+1.9	46,673	45,939	46,604	41,340	+12.9
Shipbuilding and tanks	1,626	1,625	1,587	+0.1	+2.4	0.0	1,585	1,600	1,573	1,675	-5.4
Instruments and related products	24,852	24,898	25,019	-0.2	-0.5	+0.1	25,064	25,018	25,510	24,882	+0.7
Search and navigation equipment	6,017	6,148	6,306	-2.1	-2.5	-0.2	5,985	6,183	6,463	6,187	-3.3
Measuring and controlling devices	7,802	7,793	7,829	+0.1	-0.5	-0.8	7,802	7,786	7,960	7,694	+1.4
Medical instruments and supplies	8,023	7,970	7,930	+0.7	+0.5	+1.0	8,151	7,938	8,051	7,709	+5.7
Photographic goods	2,335	2,321	2,294	+0.6	+1.2	+0.4	2,449	2,452	2,373	2,670	-8.3
All other durable goods	26,994	26,832	26,715	+0.6	+0.4	+1.3	27,052	26,807	26,723	25,802	+4.8
Nondurable goods industries	168,556	167,390	166,569	+0.7	+0.5	+0.5	169,512	167,504	167,095	163,133	+3.9
With unfilled orders	39,691	39,616	39,404	+0.2	+0.5	+0.5	39,505	39,652	40,174	38,828	+1.7
Food and kindred products	35,541	35,308	35,229	+0.7	+0.2	+0.4	37,679	36,074	35,030	36,670	+2.8
Meat products	3,826	3,824	3,881	+0.1	-1.5	+0.3	3,845	3,810	3,810	3,784	+1.6
Dairy products	3,167	3,164	3,141	+0.1	+0.7	+0.4	3,224	3,194	3,230	3,306	-2.5
Beverages	7,131	7,048	6,866	+1.2	+2.7	+1.9	7,395	7,209	6,733	6,849	+8.0
All other foods, except fats and oils	19,426	19,372	19,521	+0.3	-0.8	-0.2	21,136	20,318	19,694	20,748	+1.9
Tobacco products	6,140	6,066	6,140	+1.2	-1.2	-1.3	6,257	5,912	5,834	6,187	+1.1
Textile mill products	10,296	10,309	10,294	-0.1	+0.1	+0.5	10,091	10,110	10,386	9,786	+3.1
Broadwoven fabrics and other textiles	6,410	6,412	6,404	0.0	+0.1	+0.7	6,295	6,265	6,447	6,157	+2.2
Paper and allied products	16,052	16,098	15,941	-0.3	+1.0	+0.5	15,874	15,985	15,899	16,123	-1.5
Pulp, paper, and paperboard mill products	6,560	6,592	6,560	-0.5	+0.5	+0.2	6,488	6,560	6,552	6,726	-3.5
Paperboard containers and boxes	3,902	3,854	3,832	+1.2	+0.6	0.0	3,824	3,847	3,820	3,834	-0.3
Miscellaneous converted paper products	5,590	5,652	5,549	-1.1	+1.9	+1.3	5,562	5,578	5,527	5,563	0.0
Chemicals and allied products	43,820	43,206	42,633	+1.4	+1.3	+0.2	43,401	42,905	42,588	40,408	+7.4
Industrial chemicals	19,802	19,815	19,807	-0.1	0.0	+1.0	19,604	19,814	19,744	19,019	+3.1
Drugs, soaps, and toiletries	18,644	18,042	17,539	+3.3	+2.9	-0.9	18,644	18,021	17,863	16,520	+12.9
Petroleum and coal products	12,457	12,450	12,431	+0.1	+0.2	+2.1	12,535	12,583	12,594	12,347	+1.5
Rubber and plastics products	16,346	16,318	16,361	+0.2	-0.3	+0.4	15,984	15,979	16,159	15,226	+5.0
All other nondurable goods	27,904	27,635	27,540	+1.0	+0.3	+0.7	27,691	27,956	28,605	26,386	+4.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1997p	Sept. 1997r	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997p	Sept. 1997r	Aug. 1997	Oct. 1996	Oct. 97/96	1997p	1996
SHIPMENTS													
All manufacturing industries	335,188	335,366	330,178	-0.1	+1.6	-0.8	344,791	357,830	331,637	325,541	+5.9	3,282,868	3,102,596
Market categories :													
Automotive equipment	15,096	14,736	14,733	+2.4	0.0	-1.4	16,575	15,419	14,637	15,342	+8.0	145,379	140,219
Home goods and apparel	19,250	19,527	18,859	-1.4	+3.5	-1.3	21,761	22,366	20,019	20,969	+3.8	191,425	182,723
Consumer staples	69,876	69,147	69,544	+1.1	-0.6	+0.3	72,520	73,102	71,183	71,570	+1.3	688,688	663,252
Machinery and equipment	60,793	61,775	60,118	-1.6	+2.8	-2.6	59,940	67,527	57,137	54,541	+9.9	586,155	536,096
Business supplies	26,059	26,033	25,636	+0.1	+1.5	-0.2	26,794	27,126	25,960	25,367	+5.6	254,829	243,748
Construction materials and supplies	20,899	21,159	20,814	-1.2	+1.7	-2.7	22,233	22,791	22,018	21,482	+3.5	210,110	197,278
Defense products	6,786	6,550	6,488	+3.6	+1.0	-3.7	6,679	6,974	6,301	5,886	+13.5	65,684	62,391
Other materials, supplies and and intermediate products	116,429	116,439	113,986	0.0	+2.2	0.0	118,289	122,525	114,382	110,384	+7.2	1,140,598	1,076,889
Durable goods industries :													
Nondefense capital goods [3]	47,373	48,482	46,897	-2.3	+3.4	-2.4	44,983	54,362	43,873	40,282	+11.7	453,259	409,200
Excluding aircraft and parts	40,860	41,251	39,982	-0.9	+3.2	-1.2	39,166	46,627	37,470	35,142	+11.5	387,289	358,472
Defense capital goods [4]	6,381	6,163	6,116	+3.5	+0.8	-3.6	6,281	6,564	5,882	5,587	+12.4	61,751	58,706
Durables excluding capital goods	130,438	130,851	128,118	-0.3	+2.1	-1.0	137,235	139,352	128,769	127,804	+7.4	1,277,769	1,195,297
Miscellaneous series :													
Producers' durable equipment	118,787	119,360	116,501	-0.5	+2.5	-1.4	121,095	129,174	113,444	110,690	+9.4	1,147,130	1,066,784
Household durable goods	9,878	10,093	9,496	-2.1	+6.3	-1.7	10,972	11,726	9,637	10,339	+6.1	96,616	90,108
Information technology industries	22,716	23,002	22,764	-1.2	+1.0	0.0	21,118	27,211	21,083	18,900	+11.7	213,792	194,045
Health care equipment and products	11,286	11,292	10,914	-0.1	+3.5	-1.9	11,350	12,372	10,689	11,001	+3.2	109,614	102,963
NEW ORDERS													
All manufacturing industries	337,243	336,264	335,040	+0.3	+0.4	+1.2	348,594	353,389	335,065	333,193	+4.6	3,297,158	3,136,010
Market categories :													
Automotive equipment	15,132	14,733	14,746	+2.7	-0.1	-1.3	16,580	15,346	14,711	15,271	+8.6	145,602	140,189
Home goods and apparel	19,412	19,934	18,768	-2.6	+6.2	-4.1	21,529	22,452	19,663	20,834	+3.3	193,260	184,333
Consumer staples	69,884	69,097	69,455	+1.1	-0.5	0.0	72,357	72,889	71,106	71,377	+1.4	688,825	663,364
Machinery and equipment	63,667	62,064	61,456	+2.6	+1.0	-0.2	63,699	66,923	58,264	58,212	+9.4	594,500	558,582
Business supplies	26,192	25,921	25,541	+1.0	+1.5	-0.8	26,745	26,786	25,886	25,143	+6.4	255,128	243,882
Construction materials and supplies	21,089	21,171	20,873	-0.4	+1.4	-3.2	22,137	22,726	21,970	21,159	+4.6	211,168	197,674
Defense products	5,458	5,814	5,805	-6.1	+0.2	-9.6	5,040	5,733	4,604	5,320	-5.3	56,320	62,794
Other materials, supplies and and intermediate products	116,409	117,530	118,396	-1.0	-0.7	+5.9	120,507	120,534	118,861	115,877	+4.0	1,152,355	1,085,192
Durable goods industries :													
Nondefense capital goods [3]	49,308	48,625	47,987	+1.4	+1.3	+1.2	47,828	54,097	44,750	45,562	+5.0	458,332	433,500
Excluding aircraft and parts	40,945	42,544	40,110	-3.8	+6.1	-4.8	40,161	47,512	37,385	37,027	+8.5	394,045	361,292
Defense capital goods [4]	4,931	5,449	5,307	-9.5	+2.7	-11.2	4,483	5,405	4,064	4,862	-7.8	52,251	59,336
Durables excluding capital goods	131,711	132,136	132,901	-0.3	-0.6	+3.6	140,568	136,907	133,855	131,531	+6.9	1,295,463	1,202,796
Miscellaneous series :													
Producers' durable equipment	123,072	119,873	117,747	+2.7	+1.8	-0.7	126,111	128,330	114,751	113,005	+11.6	1,160,490	1,088,313
Household durable goods	9,890	10,336	9,348	-4.3	+10.6	-7.5	10,847	11,820	9,364	10,496	+3.3	98,390	91,074
Information technology industries	22,305	22,902	22,279	-2.6	+2.8	-7.8	20,939	26,896	20,572	20,955	-0.1	217,164	194,543
Health care equipment and products	11,347	11,284	11,062	+0.6	+2.0	-0.2	11,708	12,221	10,921	11,033	+6.1	110,374	103,497

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and materia handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servic industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engine and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tank and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96
UNFILLED ORDERS											
All manufacturing industries	529,986	527,931	527,033	+0.4	+0.2	+0.9	526,509	522,706	527,147	510,448	+3.1
Market categories :											
Automotive equipment	2,464	2,428	2,432	+1.5	-0.2	+0.6	2,426	2,421	2,494	2,206	+10.0
Home goods and apparel	9,455	9,293	8,886	+1.7	+4.6	-1.0	9,340	9,572	9,486	9,111	+2.5
Consumer staples	2,326	2,318	2,368	+0.3	-2.1	-3.7	2,298	2,460	2,673	1,992	+15.4
Machinery and equipment	237,070	234,197	233,907	+1.2	+0.1	+0.6	236,916	233,157	233,761	230,817	+2.6
Business supplies	7,038	6,905	7,017	+1.9	-1.6	-1.3	6,907	6,957	7,297	6,474	+6.7
Construction materials and supplies	17,421	17,230	17,219	+1.1	+0.1	+0.3	17,185	17,282	17,347	15,840	+8.5
Defense products	100,247	101,575	102,311	-1.3	-0.7	-0.7	97,743	99,381	100,622	100,093	-2.3
Other materials, supplies and and intermediate products	153,965	153,985	152,893	0.0	+0.7	+3.0	153,694	151,476	153,467	143,915	+6.8
Durable goods industries :											
Nondefense capital goods [3]	254,706	252,771	252,628	+0.8	+0.1	+0.4	254,596	251,751	252,016	250,653	+1.6
Excluding aircraft and parts	100,641	100,556	99,263	+0.1	+1.3	+0.1	100,531	99,536	98,651	96,469	+4.2
Defense capital goods [4]	104,684	106,134	106,848	-1.4	-0.7	-0.8	102,178	103,976	105,135	104,932	-2.6
Durables excluding capital goods	144,109	142,836	141,551	+0.9	+0.9	+3.5	144,067	140,734	143,179	130,857	+10.1
Miscellaneous series :											
Producers' durable equipment	276,376	272,091	271,578	+1.6	+0.2	+0.5	276,370	271,354	272,198	265,858	+4.0
Household durable goods	6,467	6,455	6,212	+0.2	+3.9	-2.3	6,574	6,699	6,605	5,926	+10.9
Information technology industries	38,311	38,722	38,822	-1.1	-0.3	-1.2	38,462	38,641	38,956	37,006	+3.9
Health care equipment and products	8,038	7,977	7,985	+0.8	-0.1	+1.9	8,216	7,859	8,010	7,877	+4.3
TOTAL INVENTORIES											
All manufacturing industries	451,143	449,152	448,447	+0.4	+0.2	+0.4	452,199	448,616	452,128	434,837	+4.0
Market categories :											
Automotive equipment	8,294	8,496	8,231	-2.4	+3.2	-1.6	8,295	8,534	8,376	8,312	-0.2
Home goods and apparel	32,917	32,763	32,808	+0.5	-0.1	+0.2	32,273	32,630	33,504	30,914	+4.4
Consumer staples	70,427	69,507	68,976	+1.3	+0.8	0.0	72,468	70,262	69,116	68,960	+5.1
Machinery and equipment	114,044	113,192	113,816	+0.8	-0.5	+0.5	114,454	112,739	115,497	107,242	+6.7
Business supplies	27,078	26,993	26,751	+0.3	+0.9	+1.6	27,180	27,142	27,162	26,174	+3.8
Construction materials and supplies	27,652	27,636	27,575	+0.1	+0.2	+0.4	27,310	27,388	27,532	26,250	+4.0
Defense products	15,948	16,029	15,800	-0.5	+1.4	+0.3	16,114	16,287	16,063	16,538	-2.6
Other materials, supplies and and intermediate products	154,783	154,536	154,490	+0.2	0.0	+0.5	154,105	153,634	154,878	150,447	+2.4
Durable goods industries :											
Nondefense capital goods [3]	108,031	107,231	108,103	+0.7	-0.8	+0.7	108,581	106,839	109,883	101,412	+7.1
Excluding aircraft and parts	72,092	71,769	72,127	+0.5	-0.5	+0.1	72,427	71,486	73,555	70,795	+2.3
Defense capital goods [4]	16,212	16,298	16,111	-0.5	+1.2	+0.4	16,421	16,613	16,443	16,962	-3.2
Durables excluding capital goods	158,344	158,233	157,664	+0.1	+0.4	+0.2	157,685	157,660	158,707	153,330	+2.8
Miscellaneous series :											
Producers' durable equipment	182,974	182,349	183,108	+0.3	-0.4	+0.1	183,096	181,708	185,541	174,684	+4.8
Household durable goods	16,379	16,309	16,377	+0.4	-0.4	-0.3	16,192	16,197	16,696	15,585	+3.9
Information technology industries	34,765	34,943	35,289	-0.5	-1.0	-0.2	35,101	34,867	36,419	35,051	+0.1
Health care equipment and products	18,129	17,755	17,448	+2.1	+1.8	0.0	18,255	17,711	17,741	16,672	+9.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	Oct. 1996	Oct. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	149,067	148,666	147,304	+0.3	+0.9	0.0	149,706	148,698	147,792	145,789	+2.7
Durable goods industries	87,381	87,175	86,360	+0.2	+0.9	-0.1	88,042	87,713	87,291	84,848	+3.8
Stone, clay, and glass products	2,932	2,918	2,873	+0.5	+1.6	-1.3	2,938	2,926	2,907	2,884	+1.9
Primary metals	8,121	8,041	8,035	+1.0	+0.1	-0.1	8,252	8,095	8,118	7,871	+4.8
Fabricated metal products	10,513	10,604	10,468	-0.9	+1.3	0.0	10,413	10,564	10,446	10,209	+2.0
Industrial machinery and equipment	18,440	18,378	18,124	+0.3	+1.4	-0.7	18,556	18,569	18,622	18,105	+2.5
Electronic and other electrical equipment	13,614	13,675	13,629	-0.4	+0.3	-1.4	13,794	13,814	13,827	13,739	+0.4
Transportation equipment	14,989	14,883	14,713	+0.7	+1.2	+0.2	14,973	14,868	14,770	13,959	+7.3
Instruments and related products	8,547	8,477	8,395	+0.8	+1.0	+1.1	8,537	8,505	8,489	7,881	+8.3
Lumber, furniture and miscellaneous durable goods	10,225	10,199	10,123	+0.3	+0.8	+1.5	10,579	10,372	10,112	10,200	+3.7
Nondurable goods industries	61,686	61,491	60,944	+0.3	+0.9	+0.1	61,664	60,985	60,501	60,941	+1.2
Food and kindred products	11,323	11,271	11,201	+0.5	+0.6	-0.1	11,703	10,924	10,784	11,879	-1.5
Tobacco products	5,292	5,217	5,186	+1.4	+0.6	-0.7	5,179	5,054	5,017	4,866	+6.4
Textile mill products	3,116	3,170	3,172	-1.7	-0.1	+0.8	3,012	3,088	3,153	2,940	+2.4
Paper and allied products	7,746	7,740	7,683	+0.1	+0.7	-0.4	7,771	7,738	7,652	7,972	-2.5
Chemicals and allied products	14,529	14,581	14,360	-0.4	+1.5	+0.5	14,478	14,623	14,313	13,805	+4.9
Petroleum and coal products	3,693	3,603	3,582	+2.5	+0.6	+1.4	3,716	3,589	3,629	3,737	-0.6
Rubber and plastics products	6,305	6,273	6,212	+0.5	+1.0	0.0	6,230	6,237	6,149	6,095	+2.2
Apparel, printing and publishing and leather goods	9,682	9,636	9,548	+0.5	+0.9	-0.3	9,575	9,732	9,804	9,647	-0.7
WORK IN PROCESS											
All manufacturing industries	142,680	142,353	142,775	+0.2	-0.3	+0.8	144,187	143,457	144,887	138,006	+4.5
Durable goods industries	113,917	113,995	114,626	-0.1	-0.6	+0.6	114,472	114,551	116,505	110,485	+3.6
Stone, clay, and glass products	1,312	1,281	1,271	+2.4	+0.8	+8.5	1,227	1,241	1,269	1,169	+5.0
Primary metals	8,715	8,759	8,829	-0.5	-0.8	-0.1	8,621	8,766	8,876	8,682	-0.7
Fabricated metal products	8,066	8,112	8,086	-0.6	+0.3	-0.2	8,086	8,212	8,238	7,611	+6.2
Industrial machinery and equipment	22,857	22,723	22,814	+0.6	-0.4	+0.3	23,001	22,776	23,236	22,430	+2.5
Electronic and other electrical equipment	14,969	15,057	15,066	-0.6	-0.1	+0.8	15,033	15,075	15,299	15,195	-1.1
Transportation equipment	43,162	43,030	43,395	+0.3	-0.8	+1.4	43,592	43,329	44,084	39,994	+9.0
Instruments and related products	9,661	9,839	10,040	-1.8	-2.0	-1.4	9,718	9,883	10,304	10,261	-5.3
Lumber, furniture and miscellaneous durable goods	5,175	5,194	5,125	-0.4	+1.3	-0.3	5,194	5,269	5,199	5,143	+1.0
Nondurable goods industries	28,763	28,358	28,149	+1.4	+0.7	+1.5	29,715	28,906	28,382	27,521	+8.0
Food and kindred products	5,285	5,242	5,248	+0.8	-0.1	+3.6	6,085	5,489	4,942	5,679	+7.1
Tobacco products	115	138	179	-16.7	-22.9	-17.1	157	154	163	323	-51.4
Textile mill products	2,622	2,575	2,555	+1.8	+0.8	0.0	2,627	2,594	2,580	2,538	+3.5
Paper and allied products	1,780	1,782	1,735	-0.1	+2.7	+2.9	1,720	1,771	1,757	1,622	+6.0
Chemicals and allied products	8,114	7,681	7,518	+5.6	+2.2	+0.5	8,094	7,718	7,651	6,692	+21.0
Petroleum and coal products	2,702	2,683	2,630	+0.7	+2.0	+1.6	2,738	2,718	2,689	2,763	-0.9
Rubber and plastics products	2,184	2,303	2,267	-5.2	+1.6	+1.4	2,210	2,292	2,248	2,098	+5.3
Apparel, printing and publishing and leather goods	5,961	5,954	6,017	+0.1	-1.0	+1.8	6,084	6,170	6,352	5,806	+4.8
FINISHED GOODS											
All manufacturing industries	159,396	158,133	158,368	+0.8	-0.1	+0.5	158,306	156,461	159,449	151,042	+4.8
Durable goods industries	81,289	80,592	80,892	+0.9	-0.4	+0.6	80,173	78,848	81,237	76,371	+5.0
Stone, clay, and glass products	4,434	4,545	4,563	-2.4	-0.4	-1.2	4,195	4,398	4,498	4,145	+1.2
Primary metals	8,060	8,011	8,031	+0.6	-0.2	+1.4	7,820	7,865	7,977	7,615	+2.7
Fabricated metal products	10,395	10,152	10,085	+2.4	+0.7	+1.0	10,057	9,841	9,984	9,130	+10.2
Industrial machinery and equipment	19,124	18,983	19,303	+0.7	-1.7	+0.6	18,919	18,249	19,312	18,534	+2.1
Electronic and other electrical equipment	11,438	11,232	11,481	+1.8	-2.2	-0.3	11,418	11,032	11,820	10,673	+7.0
Transportation equipment	9,600	9,648	9,378	-0.5	+2.9	-0.3	9,676	9,667	9,517	9,075	+6.6
Instruments and related products	6,644	6,582	6,584	+0.9	0.0	+1.0	6,809	6,630	6,717	6,740	+1.0
Lumber, furniture and miscellaneous durable goods	11,594	11,439	11,467	+1.4	-0.2	+1.8	11,279	11,166	11,412	10,459	+7.8
Nondurable goods industries	78,107	77,541	77,476	+0.7	+0.1	+0.4	78,133	77,613	78,212	74,671	+4.6
Food and kindred products	18,933	18,795	18,780	+0.7	+0.1	-0.2	19,891	19,661	19,304	19,112	+4.1
Tobacco products	733	711	775	+3.1	-8.3	-1.3	921	704	654	998	-7.7
Textile mill products	4,558	4,564	4,567	-0.1	-0.1	+0.6	4,452	4,428	4,653	4,308	+3.3
Paper and allied products	6,526	6,576	6,523	-0.8	+0.8	+1.0	6,383	6,476	6,490	6,529	-2.2
Chemicals and allied products	21,177	20,944	20,755	+1.1	+0.9	-0.1	20,829	20,564	20,624	19,911	+4.6
Petroleum and coal products	6,062	6,164	6,219	-1.7	-0.9	+2.8	6,081	6,276	6,276	5,847	+4.0
Rubber and plastics products	7,857	7,742	7,882	+1.5	-1.8	+0.4	7,544	7,450	7,762	7,033	+7.3
Apparel, printing and publishing and leather goods	12,261	12,045	11,975	+1.8	+0.6	+0.9	12,032	12,054	12,449	10,933	+10.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	July 1997	Oct. 1997[p]	Sept. 1997[r]	Aug. 1997	July 1997
All manufacturing industries	1.35	1.34	1.36	1.34	2.81	2.78	2.85	2.80
Durable goods industries	1.53	1.52	1.56	1.53	3.34	3.30	3.38	3.32
Stone, clay, and glass products	1.13	1.13	1.15	1.11	0.89	0.87	0.89	0.88
Primary metals	1.60	1.59	1.62	1.59	2.15	2.15	2.10	2.04
Fabricated metal products	1.49	1.48	1.50	1.50	1.47	1.46	1.46	1.46
Industrial machinery and equipment	1.72	1.71	1.77	1.72	2.23	2.24	2.30	2.23
Electronic and other electrical equipment	1.32	1.29	1.33	1.37	1.85	1.80	1.83	1.75
Transportation equipment	1.56	1.56	1.58	1.52	11.25	10.91	11.30	10.87
Instruments and related products	1.81	1.80	1.91	1.88	3.48	3.49	3.74	3.70
Nondurable goods industries	1.12	1.12	1.12	1.11	0.70	0.70	0.71	0.71
Food and kindred products	0.88	0.89	0.87	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.82	1.80	1.91	1.96	(X)	(X)	(X)	(X)
Textile mill products	1.49	1.49	1.51	1.47	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.16	1.18	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.31	1.31	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.80	0.79	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.29	1.33	1.30	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1997	Oct.[2] 1992-1996	Oct. 1996-Sept. 1997	Oct.[1] 1997	Oct.[2] 1992-1996	Oct. 1996-Sept. 1997	Oct.[1] 1997	Oct.[2] 1992-1996	Oct. 1996-Sept. 1997	Oct.[1] 1997	Oct.[2] 1992-1996	Oct. 1996-Sept. 1997
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.6	0.4	(X)	1.3	1.0	(X)	1.0	0.8	(X)	0.1	0.2
Primary metals	0.1	0.3	0.2	-0.2	0.7	0.7	-0.1	0.2	0.3	(X)	0.1	0.0
Fabricated metal products	(X)	0.2	0.3	(X)	0.4	0.7	(X)	0.3	0.4	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.5	0.5	0.2	0.7	0.8	0.1	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.4	0.5	-0.1	0.9	1.2	0.1	0.3	0.5	(X)	0.1	0.1
Transportation equipment	0.1	0.3	0.3	0.3	0.7	1.0	0.0	0.1	0.2	(X)	0.1	0.1
Instruments and related products	(X)	0.3	0.5	(X)	1.2	1.3	(X)	0.2	0.3	(X)	0.2	0.2
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1
Food and kindred products	(X)	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5
Rubber and plastics products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	0.3	0.5	0.4	0.5	0.4	0.6	0.0	0.1	0.1	(X)	0.2	0.1
Defense	0.0	0.6	0.7	-0.2	4.0	3.2	0.0	0.2	0.2	(X)	0.3	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

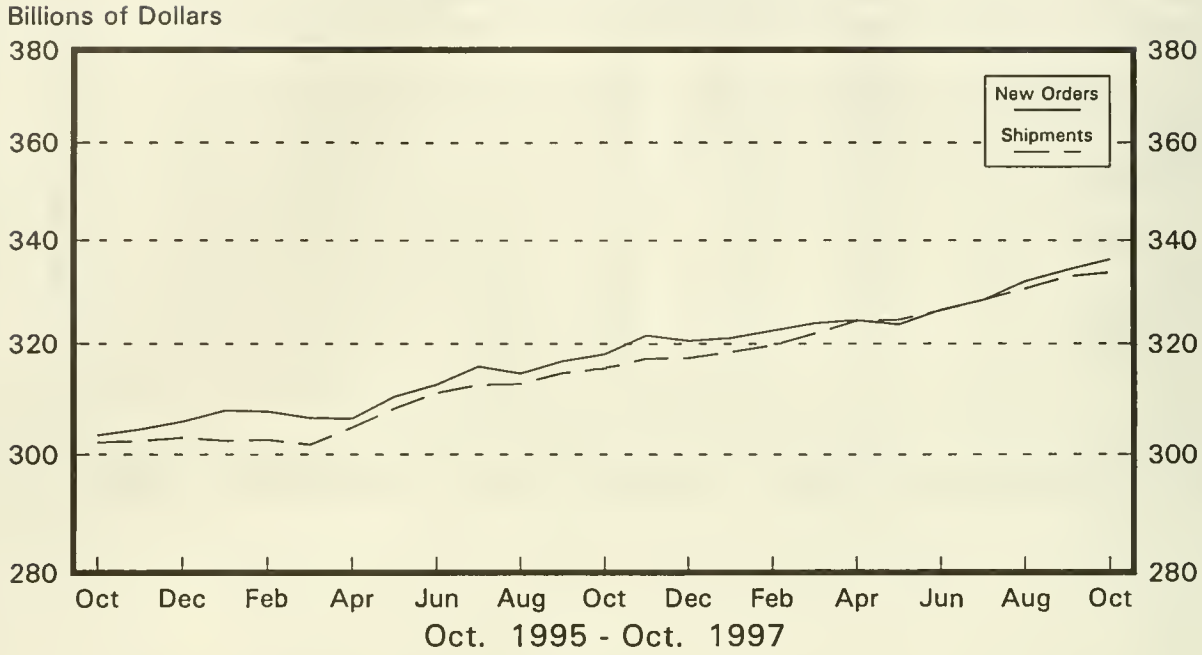
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

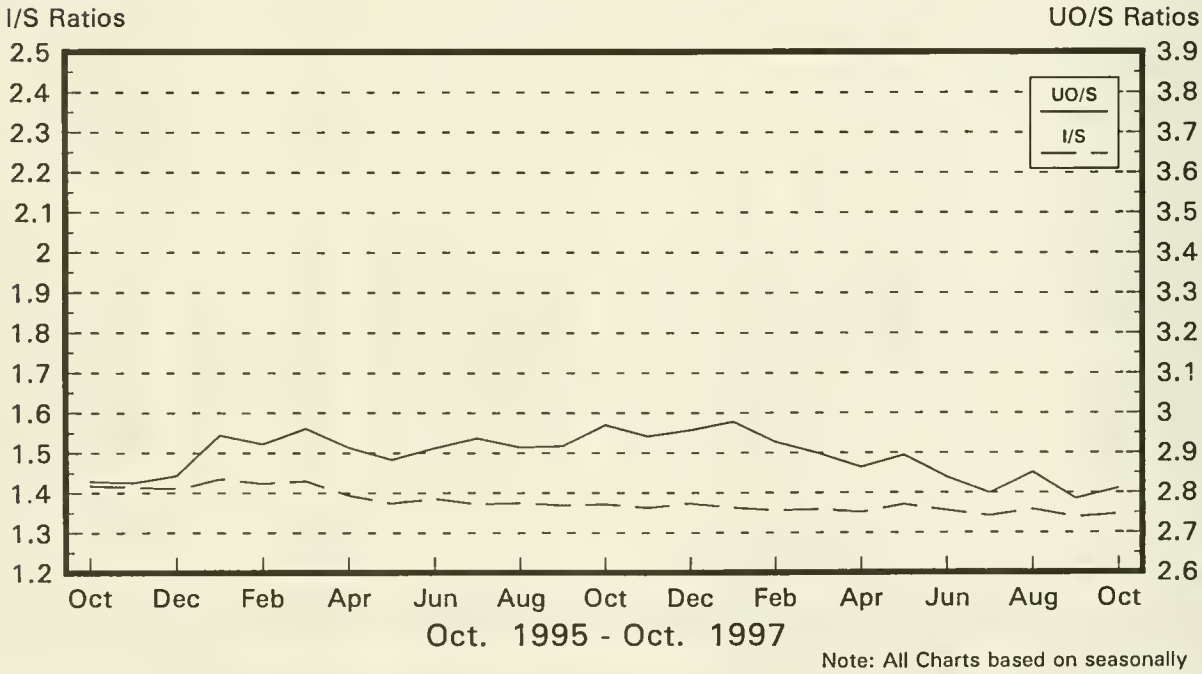
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

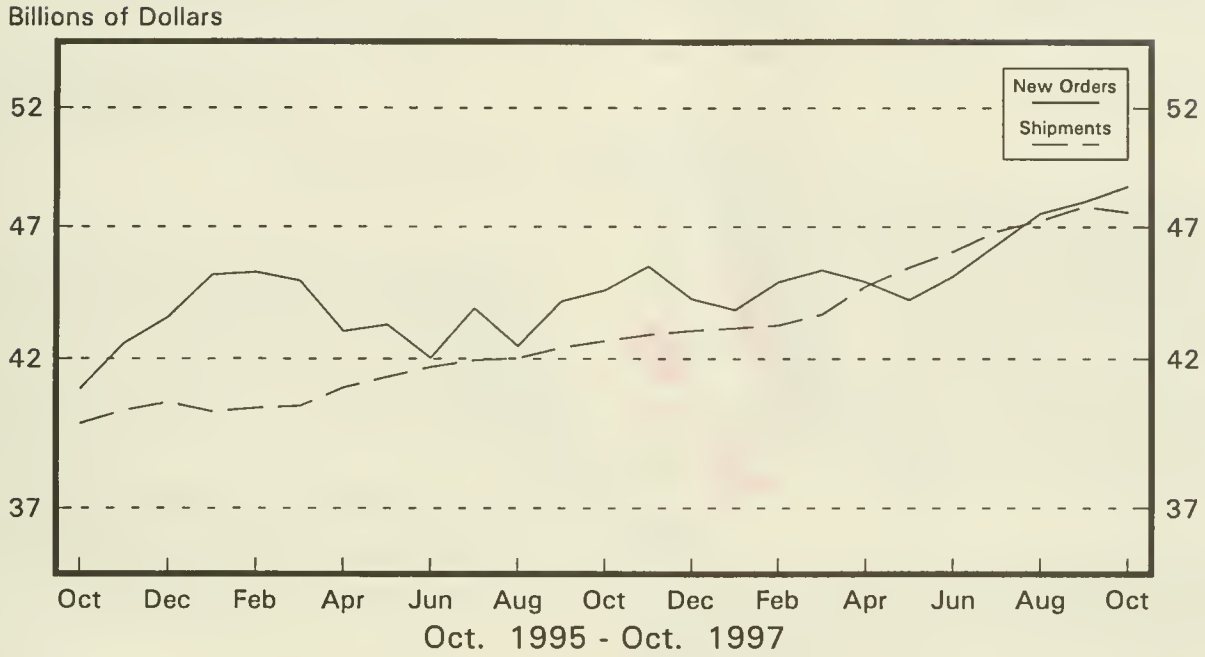
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

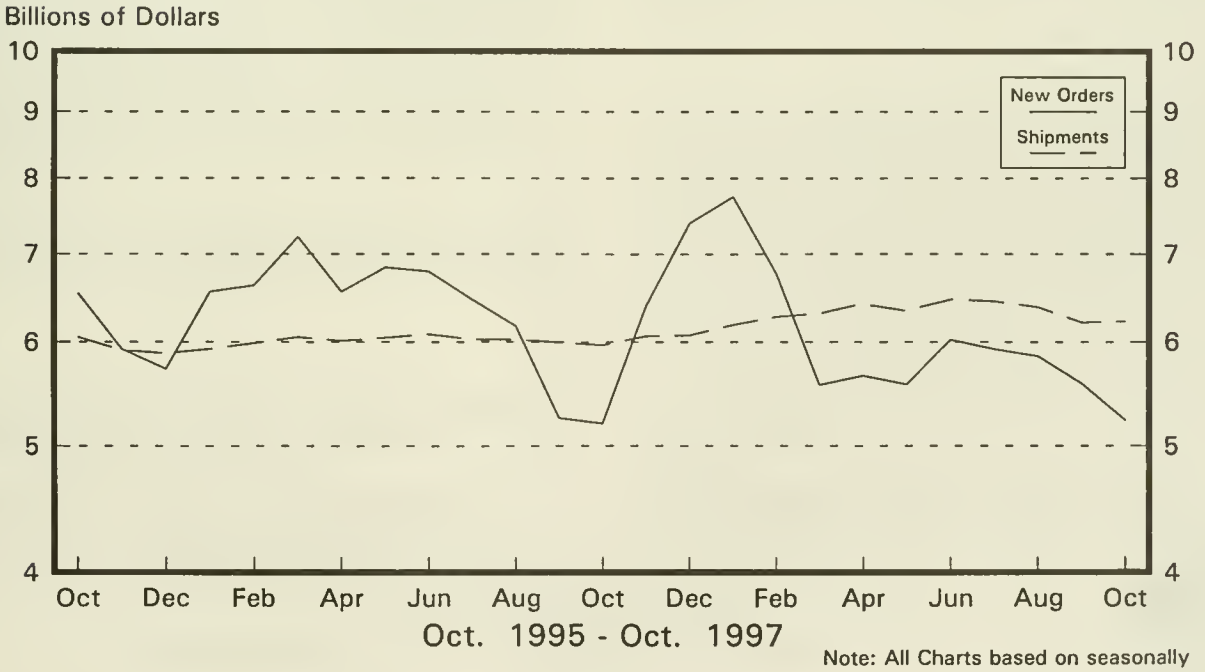
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
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UREAU OF THE CENSUS

November 1997
M3-1-(97)-11
For Wire Transmissions 10:00 a.m. E.S.T. January 6, 1998

For Data - (301) 457-4673
For Questions - Kathy Menth or Gloria Cable
(301) 457-4804 or (301) 457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November increased $8 5 billion or 2.5 percent to $345 1 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0 1 percent October increase and is the sixth consecutive monthly increase. Excluding transportation, new orders decreased 0.3 percent, the second consecutive decline. Year to date, new orders are 5.3 percent above the same period a year ago

Shipments decreased $0.9 billion or 0.3 percent to $333 1 billion, following a 0.4 percent October decrease. This is the third decrease in the last four months and the fifth this year Year to date, shipments are 5 6 percent above the same period a year ago.

Unfilled orders, up six of the last seven months, increased $12 0 billion or 2.3 percent to $542.5 billion, following a 0 5 percent October increase. The unfilled orders-to-shipments ratio was 2.88, up from 2.82 in October

Inventories, up sixteen of the last seventeen months, increased $1.8 billion or 0.4 percent to $453.9 billion, following a 0 7 percent October increase. The inventories-to-shipments ratio was 1.36, up from 1 35 in October.

New Orders

New orders for manufactured durable goods in November increased $8 9 billion or 4.8 percent to $194 9 billion, unrevised from the previously published 4.8 percent increase This follows a 0 1 percent October decrease and is the fifth increase in the last six months

Transportation equipment, up three of the last four months, had the largest increase, $9.5 billion or 21.0 percent to $54.6 billion, due to aircraft and parts. This follows a 6.7 percent October increase Primary metals increased $0.4 billion or 2.5 percent to $16 0 billion, following a 6 4 percent October decrease. This is the second increase in the last three months and the eighth this year Electronic and other electrical equipment, up for the first month since August, increased $0 2 billion or 0.7 percent to $30 4 billion. This follows a 4.2 percent October decrease. Industrial machinery and equipment, down three of the last four months, decreased $0.7 billion or 1 9 percent to $33.9 billion This follows a 2.2 percent October decrease Stone, clay, and glass products, down for the first month since August, decreased $0.3 billion or 3.8 percent to $7 6 billion. This follows a 1 7 percent October increase. Fabricated metal products, down four of the last five months, declined $0.3 billion or 1 3 percent to $19 4 billion, following a 0.6 percent October decrease

New orders for nondurable goods, down for the first month since August, decreased $0.4 billion or 0.3 percent to $150.2 billion, following a 0 4 percent October increase. Petroleum and coal products and chemicals and allied products had the largest decreases; food and kindred products had the largest increase.

Shipments

Shipments of durable goods in November, down three of the last four months, decreased $0.5 billion or 0.3 percent to $183 1 billion, revised from the previously published 0 4 percent decrease This follows a 1 0 percent October decrease and is the fourth decline this year.

Industrial machinery and equipment, down three of the last four months, had the largest decrease, $0.8 billion or 2.3 percent to $33.9 billion This follows a 1.1 percent October decrease. Instruments and related products, down three of the last four months, declined $0.5 billion or 3 4 percent to $13.3 billion, following a 0.5 percent October decrease. Primary metals, down three of the last four months, decreased $0 2 billion or 1 0 percent to $15.4 billion, following a 0.3 percent October decrease. Fabricated metal products, down for the second consecutive month, declined $0.1 billion or 0.8 percent to $19 2 billion This follows a 0.3 percent October decrease. Transportation equipment increased $0.5 billion or 1 2 percent to $43 7 billion, as a large increase in aircraft and parts more than offset a decline in motor vehicles and parts. This follows a 0 2 percent October decrease and is the second increase in the last three months Electronic and other electrical equipment, up three of the last four months, increased $0.4 billion or 1.3 percent to $30 6 billion This follows a 2.5 percent October decrease

Shipments of nondurable goods, down for the first month since August, decreased $0.4 billion or 0.3 percent to $150.1 billion This follows a 0 4 percent October increase Petroleum and coal products and chemicals and allied products had the largest decreases, food and kindred products had the largest increase

Unfilled Orders

Unfilled orders for durable goods in November increased $11 9 billion or 2 4 percent to $516.0 billion, unrevised from the previously published 2.4 percent increase This follows a 0 5 percent October increase and is the sixth increase in the last seven months

Transportation equipment had the largest increase, $10.9 billion or 4.3 percent to $261 8 billion, mostly due to aircraft and parts This follows a 0.8 percent October increase and is the third increase in the last four months Primary metals, up for the eleventh consecutive month, increased $0.7 billion or 2.0 percent to $34 2 billion, following a 0 3 percent October increase Instruments and related products, up for the first month since July, increased $0.3 billion or 0 5 percent to $48 2 billion. This follows a 0.3 percent October decrease. Fabricated metal products, up for the twenty-third consecutive month, increased $0 2 billion or 0.7 percent to $27 2 billion This follows a 1.1 percent October increase. Electronic and other electrical equipment, down for the second consecutive month, decreased $0.3 billion or 0.5 percent to $55.4 billion This follows a 0 2 percent October decrease

Inventories

Inventories of durable goods in November, up fifteen of the last seventeen months, increased $0.9 billion or 0.3 percent to $284.4 billion This follows a 0 6 percent October increase Instruments and related products, up five of the last six months, increased $0.2 billion or 0.8 percent to $25.1 billion, following a slight October increase Stone, clay, and glass products increased $0.2 billion or 1 9 percent to $8.8 billion. This follows a 1 3 percent October decline and is the third increase in the last four months. Electronic and other electrical equipment, up for the second consecutive month, increased $0 1 billion or 0.3 percent to $40 2 billion, following a 0.2 percent October increase Industrial machinery and equipment, up seven of the last eight months, increased $0.1 billion or 0.2 percent to $60 6 billion. This follows a 0 7 percent October increase. Transportation equipments, up for the twenty-third consecutive month, increased $0 1 billion or 0 2 percent to $68.6 billion This follows a 1 4 percent October increase.

Inventories of nondurable goods, up fifteen of the last sixteen months, increased $0.9 billion or 0 5 percent to $169.5 billion, following a 0 8 percent October increase. Chemicals and allied products had the largest increase, $0.5 billion or 1 2 percent to $44 4 billion This is the sixteenth consecutive monthly increase

By stage of fabrication, November finished goods decreased slightly in durables and increased 1.4 percent in nondurables. Work in process increased 1 0 percent in durables and 1.2 percent in nondurables Materials and supplies decreased 0 3 percent in durables and 0.9 percent in nondurables

(See Back Page for 1998 Release Dates)

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The advance report on durable goods for December is scheduled for January 28, 1998 at 8:30 a.m. and the full report on February 5, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96	1997[p]	199
All manufacturing industries	333,138	334,064	335,366	-0.3	-0.4	+1.6	333,571	344,183	357,830	320,385	+4.1	3,615,831	3,422,98
Manufacturing Industries													
with unfilled orders	188,565	188,225	189,592	+0.2	-0.7	+2.6	189,522	191,604	205,542	177,380	+6.8	2,018,312	1,883,47
without defense capital goods	326,145	327,573	329,203	-0.4	-0.5	+1.6	326,477	337,904	351,266	313,891	+4.0	3,546,988	3,357,78
Durable goods industries	183,072	183,602	185,496	-0.3	-1.0	+2.4	182,742	188,297	200,278	172,028	+6.2	1,975,319	1,835,2
With unfilled orders	150,886	150,366	152,156	+0.3	-1.2	+2.8	150,752	152,077	165,611	140,370	+7.4	1,613,027	1,488,4
Stone, clay, and glass products	7,615	7,662	7,718	-0.6	-0.7	+1.7	7,545	8,393	8,348	7,081	+6.6	84,566	77,3
Primary metals	15,365	15,523	15,567	-1.0	-0.3	+1.1	15,073	15,888	15,996	14,495	+4.0	170,104	160,0
Blast furnaces, steel mills	6,149	6,184	6,197	-0.6	-0.2	+0.6	5,952	6,381	6,336	5,847	+1.8	68,765	66,6
Iron and steel foundries	1,507	1,561	1,511	-3.5	+3.3	+2.6	1,474	1,686	1,593	1,379	+6.9	16,495	15,4
Nonferrous and other primary metals	7,709	7,778	7,859	-0.9	-1.0	+1.3	7,647	7,821	8,067	7,269	+5.2	84,844	77,8
Fabricated metal products	19,238	19,387	19,447	-0.8	-0.3	+1.8	19,060	20,556	20,555	18,290	+4.2	209,719	198,7
Industrial machinery and equipment	33,948	34,755	35,126	-2.3	-1.1	+3.2	32,238	33,770	38,923	30,464	+5.8	367,837	343,0
Engines and turbines	1,956	2,006	1,910	-2.5	+5.0	-1.3	1,891	1,861	2,204	1,758	+7.6	20,122	19,5
Farm and garden machinery	1,642	2,008	2,172	-18.2	-7.6	+4.1	1,340	1,928	2,035	1,607	-16.6	22,450	20,9
Construction, mining and material handling equipment	3,964	3,955	3,929	+0.2	+0.7	+1.6	3,758	3,948	3,935	3,391	+10.8	41,878	38,0
Metalworking machinery	3,384	3,433	3,667	-1.4	-6.4	+3.9	3,641	3,666	4,133	3,555	+2.4	37,466	33,4
Computer and office equipment	8,927	9,222	9,475	-3.2	-2.7	+1.6	8,418	8,122	12,217	8,107	+3.8	96,750	89,2
Electronic and other electrical equipment	30,637	30,242	31,007	+1.3	-2.5	+2.6	31,990	30,358	34,815	29,403	+8.8	320,917	292,4
Electrical transmission and distribution equipment and industrial apparatus	3,353	3,434	3,511	-2.4	-2.2	+7.7	3,240	3,347	3,971	3,299	-1.8	36,383	34,7
Household appliances	2,137	2,166	2,136	-1.3	+1.4	+7.2	2,092	2,206	2,311	1,920	+9.0	22,629	21,5
Electric lighting and wiring equipment	2,170	2,178	2,230	-0.4	-2.3	+4.5	2,283	2,152	2,450	2,174	+5.0	23,343	21,9
Household audio and video equipment	1,336	1,284	1,300	+4.0	-1.2	+1.2	1,719	1,727	1,642	1,551	+10.8	14,484	13,6
Communications equipment	7,042	6,780	6,736	+3.9	+0.7	-3.6	7,364	6,400	7,562	6,373	+15.5	68,601	59,4
Electronic components	12,365	12,195	12,764	+1.4	-4.5	+2.9	12,674	12,061	14,269	11,596	+9.3	131,440	117,2
Transportation equipment	43,690	43,177	43,266	+1.2	-0.2	+1.2	44,152	45,426	45,197	40,958	+7.8	466,480	433,1
Motor vehicles and parts	29,553	30,603	29,875	-3.4	+2.4	-0.3	30,153	33,562	30,869	29,064	+3.7	325,904	311,2
Aircraft, missiles, space vehicles, and parts.	11,232	9,885	10,490	+13.6	-5.8	+3.3	11,134	9,152	11,223	9,227	+20.7	110,551	91,4
Shipbuilding and tanks	911	919	851	-0.9	+8.0	-1.3	876	835	877	850	+3.1	9,625	9,7
Instruments and related products	13,262	13,729	13,795	-3.4	-0.5	+5.5	13,282	13,418	14,984	12,668	+4.8	143,260	132,9
Search and navigation equipment	2,591	2,968	2,835	-12.7	+4.7	+7.7	2,628	2,831	3,106	2,624	+0.2	29,109	26,5
Measuring and controlling devices	4,019	4,046	4,109	-0.7	-1.5	+2.8	3,959	3,941	4,454	3,722	+6.4	42,701	39,7
Medical instruments and supplies	4,273	4,342	4,399	-1.6	-1.3	+7.7	4,196	4,179	4,787	3,964	+5.9	45,369	42,3
Photographic goods	1,929	1,910	1,987	+1.0	-3.9	+4.5	2,054	2,011	2,155	1,943	+5.7	21,120	20,2
All other durable goods	19,317	19,127	19,570	+1.0	-2.3	+3.3	19,402	20,488	21,460	18,669	+3.9	212,436	197,5
Nondurable goods industries	150,066	150,462	149,870	-0.3	+0.4	+0.6	150,829	155,886	157,552	148,357	+1.7	1,640,512	1,587,7
With unfilled orders	37,679	37,859	37,436	-0.5	+1.1	+1.7	38,770	39,527	39,931	37,010	+4.8	405,285	395,0
Food and kindred products	40,615	40,219	39,756	+1.0	+1.2	-1.3	41,665	41,955	41,897	41,144	+1.3	441,681	432,5
Meat products	8,760	8,661	8,620	+1.1	+0.5	-4.2	8,944	8,959	8,971	9,107	-1.8	97,483	96,6
Dairy products	5,065	5,051	4,978	+0.3	+1.5	-1.1	5,333	5,028	5,119	5,332	0.0	55,269	54,2
Beverages	6,152	6,218	6,019	-1.1	+3.3	+2.2	5,900	6,147	6,179	5,722	+3.1	65,472	63,3
All other foods, except fats and oils	18,476	18,177	18,101	+1.6	+0.4	-1.6	19,326	19,709	19,590	18,844	+2.6	201,103	196,6
Tobacco products	3,499	3,398	3,375	+3.0	+0.7	+5.0	3,635	3,431	3,336	2,958	+22.9	35,564	31,4
Textile mill products	6,921	6,855	6,897	+1.0	-0.6	+1.1	6,978	7,160	7,662	6,666	+4.7	75,791	72,3
Broadwoven fabrics and other textiles	4,207	4,278	4,200	-1.7	+1.9	+1.8	4,102	4,348	4,636	3,996	+2.7	46,317	44,8
Paper and allied products	13,905	14,008	13,824	-0.7	+1.3	+2.2	13,750	14,353	14,309	13,141	+4.6	149,070	149,1
Pulp, paper, and paperboard mill products	5,541	5,572	5,499	-0.6	+1.3	+1.9	5,491	5,672	5,662	5,181	+6.0	58,944	60,2
Paperboard containers and boxes	3,498	3,418	3,338	+2.3	+2.4	+3.5	3,442	3,547	3,423	3,211	+7.2	36,407	36,5
Miscellaneous converted paper products	4,866	5,018	4,987	-3.0	+0.6	+1.7	4,817	5,134	5,224	4,749	+1.4	53,719	52,3
Chemicals and allied products	32,459	32,836	32,872	-1.1	-0.1	+1.3	31,023	32,498	33,884	30,699	+1.1	359,584	342,0
Industrial chemicals	15,948	16,046	16,152	-0.6	-0.7	+1.3	15,326	15,815	16,412	14,872	+3.1	176,535	167,7
Drugs, soaps, and toiletries	12,503	12,619	12,673	-0.9	-0.4	+0.9	12,428	13,108	13,965	12,662	-1.8	138,177	131,3
Petroleum and coal products	14,951	15,337	15,501	-2.5	-1.1	-2.0	14,987	15,934	15,919	16,251	-7.8	169,322	164,3
Rubber and plastics products	12,641	12,758	12,620	-0.9	+1.1	+2.3	12,159	13,247	13,142	11,627	+4.6	138,244	133,2
All other nondurable goods	25,075	25,051	25,025	+0.1	+0.1	+1.8	26,632	27,308	27,403	25,871	+2.9	271,256	262,6

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96	1997[p]	1996
ll manufacturing industries	345,100	336,631	336,264	+2.5	+0.1	+0.4	343,695	348,981	353,389	321,484	+6.9	3,641,240	3,457,494
ufacturing industries													
th unfilled orders	200,527	190,792	190,490	+5.1	+0.2	+0.4	199,646	196,402	201,101	178,479	+11.9	2,043,721	1,917,987
thout defense capital goods	339,152	331,906	330,815	+2.2	+0.3	+0.3	337,412	344,512	347,984	312,768	+7.9	3,582,720	3,389,442
ıble goods industries	194,936	186,028	186,210	+4.8	-0.1	0.0	192,930	193,793	196,409	172,506	+11.8	1,999,890	1,868,138
th unfilled orders	162,750	152,792	152,870	+6.5	-0.1	-0.1	160,940	157,573	161,742	140,848	+14.3	1,637,598	1,521,366
e, clay, and glass products	7,556	7,852	7,720	-3.8	+1.7	+4.5	7,388	8,327	8,275	6,972	+6.0	84,203	76,850
ary metals	16,020	15,633	16,709	+2.5	-6.4	+5.0	15,408	15,555	16,536	13,918	+10.7	174,130	160,547
ast furnaces, steel mills	6,628	6,563	6,489	+1.0	+1.1	+4.3	6,380	6,482	6,144	5,502	+16.0	70,498	66,612
on and steel foundries	1,737	1,590	1,643	+9.2	-3.2	+7.5	1,688	1,650	1,664	1,400	+20.6	17,415	16,013
onferrous and other primary metals	7,655	7,480	8,577	+2.3	-12.8	+5.0	7,340	7,423	8,728	7,016	+4.6	86,217	77,922
icated metal products	19,433	19,691	19,817	-1.3	-0.6	+3.3	18,938	20,545	20,741	18,178	+4.2	212,206	200,414
strial machinery and equipment	33,940	34,592	35,361	-1.9	-2.2	+1.9	33,009	34,647	38,933	31,010	+6.4	370,126	345,683
gines and turbines	2,036	2,140	1,874	-4.9	+14.2	-10.6	2,177	2,259	2,520	2,112	+3.1	19,995	20,011
onstruction, mining and aterial handling equipment	4,195	4,298	4,111	-2.4	+4.5	+1.5	3,948	4,449	4,077	3,396	+16.3	43,226	38,190
etalworking machinery	3,175	3,390	3,267	-6.3	+3.8	-12.0	3,432	3,623	3,733	3,273	+4.9	36,717	33,841
omputer and office equipment	8,843	8,881	9,469	-0.4	-6.2	+3.4	8,523	8,034	11,990	8,176	+4.2	95,487	90,071
ronic and other ctrical equipment	30,355	30,132	31,461	+0.7	-4.2	-7.8	30,231	33,367	32,854	28,242	+7.0	328,562	295,933
ectrical transmission and stribution equipment and dustrial apparatus	3,351	3,108	3,452	+7.8	-10.0	+8.0	3,205	3,041	3,820	3,388	-5.4	36,142	35,131
ectric lighting and iring equipment	2,130	2,370	2,114	-10.1	+12.1	-5.7	2,243	2,344	2,334	2,112	+6.2	23,700	22,307
mmunications equipment	6,890	6,542	7,170	+5.3	-8.8	+4.4	7,173	6,198	8,041	6,290	+14.0	70,936	60,301
ectronic components	12,265	12,385	12,774	-1.0	-3.0	-21.3	11,380	15,248	12,136	10,494	+8.4	135,292	118,790
sportation equipment	54,603	45,142	42,324	+21.0	+6.7	-1.7	55,188	47,296	43,599	43,550	+26.7	470,777	459,298
ircraft, missiles, space vehicles, and parts.	21,532	10,713	8,804	+101.0	+21.7	-19.8	21,649	10,068	9,028	11,578	+87.0	114,360	118,374
ipbuilding and tanks	940	466	990	+101.7	-52.9	+98.0	851	403	1,026	1,216	-30.0	7,587	9,484
uments and related products	13,518	13,573	12,980	-0.4	+4.6	+2.3	13,508	13,284	14,023	12,653	+6.8	145,244	131,169
arch and navigation equipment	2,537	2,690	2,375	-5.7	+13.3	+3.3	2,632	2,385	2,665	2,640	-0.3	29,337	24,468
easuring and controlling devices	3,972	4,336	3,783	-8.4	+14.6	-4.4	3,912	4,231	4,128	3,685	+6.2	42,847	39,266
edical instruments and supplies	4,385	4,428	4,389	-1.0	+0.9	+3.8	4,353	4,535	4,635	4,012	+8.5	46,268	42,960
ther durable goods	19,511	19,413	19,838	+0.5	-2.1	+3.6	19,260	20,772	21,448	17,983	+7.1	214,642	198,244
urable goods industries	150,164	150,603	150,054	-0.3	+0.4	+0.8	150,765	155,188	156,980	148,978	+1.2	1,641,350	1,589,356
th unfilled orders	37,777	38,000	37,620	-0.6	+1.0	+2.8	38,706	38,829	39,359	37,631	+2.9	406,123	396,621

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ase from the prior month to the current month.

ote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, n includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further s on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), ufacturers' Shipments, Inventories, and Orders: 1982-1995."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percei chang Nov 97/9(
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	
All manufacturing industries	542,460	530,498	527,931	+2.3	+0.5	+0.2	537,628	527,504	522,706	511,547	+5.
Manufacturing industries without defense capital goods	439,137	426,130	421,797	+3.1	+1.0	+0.4	436,273	425,338	418,730	404,393	+7.!
Durable goods industries	516,031	504,167	501,741	+2.4	+0.5	+0.1	512,145	501,957	496,461	486,920	+5.:
Stone, clay, and glass products	6,529	6,588	6,398	-0.9	+3.0	0.0	6,214	6,371	6,437	6,273	-0.!
Primary metals	34,187	33,532	33,422	+2.0	+0.3	+3.5	32,464	32,129	32,462	27,719	+17.
Blast furnaces, steel mills	14,055	13,576	13,197	+3.5	+2.9	+2.3	13,268	12,840	12,739	11,451	+15.!
Iron and steel foundries	5,412	5,182	5,153	+4.4	+0.6	+2.6	5,212	4,998	5,034	4,079	+27.!
Nonferrous and other primary metals	14,720	14,774	15,072	-0.4	-2.0	+5.0	13,984	14,291	14,689	12,189	+14.
Fabricated metal products	27,171	26,976	26,672	+0.7	+1.1	+1.4	26,717	26,839	26,850	23,878	+11.!
Industrial machinery and equipment	73,668	73,676	73,839	0.0	-0.2	+0.3	74,453	73,682	72,805	73,372	+1.
Engines and turbines	11,927	11,847	11,713	+0.7	+1.1	-0.3	12,574	12,288	11,890	12,776	-1.
Construction, mining and material handling equipment	10,233	10,002	9,659	+2.3	+3.6	+1.9	9,977	9,787	9,286	8,538	+16.!
Metalworking machinery	7,461	7,670	7,713	-2.7	-0.6	-4.9	7,461	7,670	7,713	8,567	-12.!
Computer and office equipment	8,167	8,251	8,592	-1.0	-4.0	-0.1	8,518	8,413	8,501	10,233	-16.
Electronic and other electrical equipment	55,393	55,675	55,785	-0.5	-0.2	+0.8	55,507	57,266	54,257	52,997	+4.
Electrical transmission and distribution equipment and industrial apparatus	6,150	6,152	6,478	0.0	-5.0	-0.9	6,061	6,096	6,402	6,425	-5.
Electric lighting and wiring equipment	4,771	4,811	4,619	-0.8	+4.2	-2.4	4,771	4,811	4,619	4,279	+11.
Communications equipment	14,727	14,879	15,117	-1.0	-1.6	+3.0	14,735	14,926	15,128	14,330	+2.
Electronic components	23,241	23,341	23,151	-0.4	+0.8	0.0	23,613	24,907	21,720	22,836	+3.
Transportation equipment	261,849	250,936	248,971	+4.3	+0.8	-0.4	260,032	248,996	247,126	250,660	+3.
Aircraft, missiles, space vehicles, and parts	228,261	217,961	217,133	+4.7	+0.4	-0.8	226,718	216,203	215,287	219,441	+3.
Shipbuilding and tanks	17,427	17,398	17,851	+0.2	-2.5	+0.8	17,415	17,440	17,872	18,168	-4.
Instruments and related products	48,191	47,935	48,091	+0.5	-0.3	-1.7	47,796	47,570	47,704	44,804	+6.
Search and navigation equipment	28,278	28,332	28,610	-0.2	-1.0	-1.6	27,845	27,841	28,287	26,732	+4.
Measuring and controlling devices	9,893	9,940	9,650	-0.5	+3.0	-3.3	9,893	9,940	9,650	9,269	+6.
Medical instruments and supplies	8,130	8,018	7,932	+1.4	+1.1	-0.1	8,325	8,168	7,812	7,894	+5.
All other durable goods	9,043	8,849	8,563	+2.2	+3.3	+3.2	8,962	9,104	8,820	7,217	+24.
Nondurable goods industries	26,429	26,331	26,190	+0.4	+0.5	+0.7	25,483	25,547	26,245	24,627	+3.

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96
All manufacturing industries	453,921	452,139	449,152	+0.4	+0.7	+0.2	454,407	453,221	448,616	435,162	+4.4
nufacturing industries											
th unfilled orders	300,883	299,664	297,714	+0.4	+0.7	-0.2	301,014	299,784	297,372	288,963	+4.2
thout defense capital goods	437,962	436,069	432,854	+0.4	+0.7	+0.1	438,403	436,965	432,003	418,472	+4.8
rable goods industries	284,402	283,477	281,762	+0.3	+0.6	0.0	285,141	283,673	281,112	272,612	+4.6
/ith unfilled orders	261,062	259,929	258,098	+0.4	+0.7	-0.3	261,698	260,280	257,720	250,246	+4.6
ne, clay, and glass products	8,794	8,630	8,744	+1.9	-1.3	+0.4	8,469	8,318	8,565	8,195	+3.3
mary metals	24,899	24,875	24,811	+0.1	+0.3	-0.3	24,751	24,684	24,726	24,353	+1.6
Blast furnaces, steel mills	12,053	12,061	12,060	-0.1	0.0	-0.3	12,161	12,058	12,060	12,273	-0.9
ron and steel foundries	1,645	1,640	1,653	+0.3	-0.8	+0.7	1,602	1,604	1,622	1,620	-1.1
Nonferrous and other primary metals	11,201	11,174	11,098	+0.2	+0.7	-0.6	10,988	11,022	11,044	10,460	+5.0
ricated metal products	29,136	29,029	28,868	+0.4	+0.6	+0.8	28,703	28,614	28,617	26,925	+6.6
ustrial machinery and equipment	60,605	60,487	60,084	+0.2	+0.7	-0.3	61,227	60,546	59,594	59,764	+2.4
ngines and turbines	3,863	3,803	3,742	+1.6	+1.6	+2.3	4,110	3,974	3,832	3,983	+3.2
arm and garden machinery	3,272	3,311	3,236	-1.2	+2.3	-0.8	3,252	3,130	3,015	2,817	+15.4
Construction, mining and material handling equipment	8,052	7,971	7,940	+1.0	+0.4	+0.5	8,028	7,938	7,864	7,619	+5.4
Metalworking machinery	7,307	7,294	7,187	+0.2	+1.5	-1.0	7,241	7,325	7,246	7,179	+0.9
Computer and office equipment	11,683	11,765	11,915	-0.7	-1.3	-1.4	12,092	11,923	11,675	12,622	-4.2
ctronic and other ectrical equipment	40,176	40,048	39,964	+0.3	+0.2	-0.5	40,196	40,252	39,921	39,649	+1.4
lectrical transmission and distribution equipment and ndustrial apparatus	5,221	5,245	5,246	-0.5	0.0	-0.2	5,322	5,304	5,238	5,270	+1.0
Household appliances	2,669	2,682	2,748	-0.5	-2.4	-1.3	2,573	2,588	2,599	2,738	-6.0
lectric lighting and wiring equipment	3,428	3,410	3,392	+0.5	+0.5	+0.3	3,418	3,421	3,339	3,246	+5.3
Household audio and video equipment	1,512	1,569	1,546	-3.6	+1.5	-2.3	1,415	1,552	1,586	1,567	-9.7
ommunications equipment	10,989	10,871	10,839	+1.1	+0.3	-0.7	11,010	10,948	10,897	10,414	+5.7
lectronic components	13,088	12,976	12,847	+0.9	+1.0	+0.3	13,284	13,162	12,901	13,020	+2.0
nsportation equipment	68,616	68,503	67,561	+0.2	+1.4	+0.1	69,486	69,118	67,864	63,448	+9.5
Motor vehicles and parts	16,429	16,654	17,101	-1.4	-2.6	+2.3	16,526	16,787	17,230	16,583	-0.3
ircraft, missiles, space vehicles, and parts	47,464	47,061	45,753	+0.9	+2.9	-0.6	48,226	47,562	45,939	41,986	+14.9
hipbuilding and tanks	1,597	1,624	1,625	-1.7	-0.1	+2.4	1,594	1,585	1,600	1,755	-9.2
ruments and related products	25,107	24,900	24,898	+0.8	0.0	-0.5	25,273	25,074	25,018	24,488	+3.2
earch and navigation equipment	6,069	6,038	6,148	+0.5	-1.8	-2.5	6,064	5,985	6,183	6,067	0.0
Measuring and controlling devices	7,867	7,816	7,793	+0.7	+0.3	-0.5	7,875	7,811	7,786	7,536	+4.5
Medical instruments and supplies	8,162	8,036	7,970	+1.6	+0.8	+0.5	8,260	8,152	7,938	7,685	+7.5
hotographic goods	2,326	2,334	2,321	-0.3	+0.6	+1.2	2,386	2,449	2,452	2,581	-7.6
other durable goods	27,069	27,005	26,832	+0.2	+0.6	+0.4	27,036	27,067	26,807	25,790	+4.8
ndurable goods industries	169,519	168,662	167,390	+0.5	+0.8	+0.5	169,266	169,548	167,504	162,550	+4.1
/ith unfilled orders	39,821	39,735	39,616	+0.2	+0.3	+0.5	39,316	39,504	39,652	38,717	+1.5
d and kindred products	35,522	35,513	35,308	0.0	+0.6	+0.2	37,188	37,640	36,074	36,418	+2.1
leat products	3,816	3,821	3,824	-0.1	-0.1	-1.5	3,797	3,845	3,810	3,743	+1.4
airy products	3,256	3,187	3,164	+2.2	+0.7	+0.7	3,194	3,224	3,194	3,050	+4.7
everages	7,189	7,129	7,048	+0.8	+1.1	+2.7	7,333	7,380	7,209	6,680	+9.8
ll other foods, except fats and oils	19,273	19,360	19,372	-0.4	-0.1	-0.8	20,699	21,080	20,318	20,636	+0.3
acco products	6,216	6,167	6,066	+0.8	+1.7	-1.2	6,365	6,271	5,912	6,344	+0.3
tile mill products	10,243	10,314	10,309	-0.7	0.0	+0.1	10,042	10,115	10,110	9,837	+2.1
roadwoven fabrics and other textiles	6,388	6,414	6,412	-0.4	0.0	+0.1	6,331	6,309	6,265	6,246	+1.4
er and allied products	16,150	16,079	16,098	+0.4	-0.1	+1.0	15,986	15,875	15,985	16,056	-0.4
ulp, paper, and paperboard mill products	6,631	6,585	6,592	+0.7	-0.1	+0.5	6,591	6,489	6,560	6,708	-1.7
aperboard containers and boxes	3,927	3,905	3,854	+0.6	+1.3	+0.6	3,848	3,824	3,847	3,801	+1.2
Miscellaneous converted paper products	5,592	5,589	5,652	+0.1	-1.1	+1.9	5,547	5,562	5,578	5,547	0.0
micals and allied products	44,438	43,894	43,206	+1.2	+1.6	+1.3	44,112	43,452	42,905	40,504	+8.9
ndustrial chemicals	20,138	19,864	19,815	+1.4	+0.2	0.0	19,937	19,625	19,814	18,996	+5.0
Drugs, soaps, and toiletries	18,888	18,651	18,042	+1.3	+3.4	+2.9	18,888	18,674	18,021	16,521	+14.3
roleum and coal products	12,587	12,463	12,450	+1.0	+0.1	+0.2	12,463	12,536	12,583	12,244	+1.8
bber and plastics products	16,500	16,375	16,318	+0.8	+0.3	-0.3	16,136	15,996	15,979	15,304	+5.4
other nondurable goods	27,863	27,857	27,635	0.0	+0.8	+0.3	26,974	27,663	27,956	25,843	+4.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	333,138	334,064	335,366	-0.3	-0.4	+1.6	333,571	344,183	357,830	320,385	+4.1	3,615,831	3,422,98
Market categories :													
Automotive equipment	14,556	14,990	14,736	-2.9	+1.7	0.0	14,923	16,575	15,419	14,485	+3.0	160,302	154,70
Home goods and apparel	19,498	19,232	19,527	+1.4	-1.5	+3.5	20,698	21,727	22,366	19,946	+3.8	212,089	202,66
Consumer staples	69,585	69,500	69,147	+0.1	+0.5	-0.6	70,826	72,042	73,102	70,225	+0.9	759,036	733,47
Machinery and equipment	60,200	60,469	61,775	-0.4	-2.1	+2.8	59,444	59,825	67,527	55,527	+7.1	645,484	591,62
Business supplies	25,836	26,049	26,033	-0.8	+0.1	+1.5	26,394	26,869	27,126	25,531	+3.4	281,298	269,27
Construction materials and supplies	20,683	20,854	21,159	-0.8	-1.4	+1.7	20,348	22,236	22,791	19,865	+2.4	230,461	217,14
Defense products	7,383	6,898	6,550	+7.0	+5.3	+1.0	7,391	6,679	6,974	6,744	+9.6	73,075	69,13
Other materials, supplies and and intermediate products	115,397	116,072	116,439	-0.6	-0.3	+2.2	113,547	118,230	122,525	108,062	+5.1	1,254,086	1,184,95
Durable goods industries :													
Nondefense capital goods [3]	47,549	47,168	48,482	+0.8	-2.7	+3.4	46,314	44,892	54,362	42,279	+9.5	499,482	451,47
Excluding aircraft and parts	40,634	40,706	41,251	-0.2	-1.3	+3.2	39,552	39,075	46,627	36,532	+8.3	426,750	395,00
Defense capital goods [4]	6,993	6,491	6,163	+7.7	+5.3	+0.8	7,094	6,279	6,564	6,494	+9.2	68,843	65,20
Durables excluding capital goods	128,530	129,943	130,851	-1.1	-0.7	+2.1	129,334	137,126	139,352	123,255	+4.9	1,406,994	1,318,55
Miscellaneous series :													
Producers' durable equipment	117,208	118,243	119,360	-0.9	-0.9	+2.5	117,115	120,945	129,174	110,317	+6.2	1,264,095	1,177,10
Household durable goods	10,067	9,874	10,093	+2.0	-2.2	+6.3	10,807	10,949	11,726	9,982	+8.3	107,400	100,09
Information technology industries	22,609	22,652	23,002	-0.2	-1.5	+1.0	22,478	21,126	27,211	20,632	+8.9	236,278	214,67
Health care equipment and products	11,078	11,209	11,292	-1.2	-0.7	+3.5	10,956	11,314	12,372	10,839	+1.1	120,534	113,80
NEW ORDERS													
All manufacturing industries	345,100	336,631	336,264	+2.5	+0.1	+0.4	343,695	348,981	353,389	321,484	+6.9	3,641,240	3,457,49
Market categories :													
Automotive equipment	14,546	15,020	14,733	-3.2	+1.9	-0.1	14,877	16,579	15,346	14,487	+2.7	160,478	154,67
Home goods and apparel	20,178	19,511	19,934	+3.4	-2.1	+6.2	20,702	21,557	22,452	18,885	+9.6	213,990	203,21
Consumer staples	69,472	69,467	69,097	0.0	+0.5	-0.5	70,681	71,877	72,889	70,350	+0.5	759,026	733,71
Machinery and equipment	72,183	64,156	62,064	+12.5	+3.4	+1.0	71,561	64,434	66,923	54,942	+30.2	666,796	613,52
Business supplies	25,820	26,142	25,921	-1.2	+0.9	+1.5	26,359	26,786	26,786	25,604	+2.9	281,528	269,48
Construction materials and supplies	20,703	21,176	21,171	-2.2	0.0	+1.4	20,208	22,258	22,726	19,603	+3.1	231,497	217,27
Defense products	6,298	5,239	5,814	+20.2	-9.9	+0.2	6,601	5,030	5,733	9,224	-28.4	62,911	72,01
Other materials, supplies and and intermediate products	115,900	115,920	117,530	0.0	-1.4	-0.7	112,706	120,460	120,534	108,389	+4.0	1,265,014	1,193,58
Durable goods industries :													
Nondefense capital goods [3]	59,098	49,930	48,625	+18.4	+2.7	+1.3	58,249	48,604	54,097	42,746	+36.3	517,357	476,24
Excluding aircraft and parts	40,989	41,618	42,544	-1.5	-2.2	+6.1	40,293	40,937	47,512	36,560	+10.2	435,114	397,85
Defense capital goods [4]	5,948	4,725	5,449	+25.9	-13.3	+2.7	6,283	4,469	5,405	8,716	-27.9	58,520	68,05
Durables excluding capital goods	129,890	131,373	132,136	-1.1	-0.6	-0.6	128,398	140,720	136,907	121,044	+6.1	1,424,013	1,323,84
Miscellaneous series :													
Producers' durable equipment	130,041	123,496	119,873	+5.3	+3.0	+1.8	129,488	126,941	128,330	108,797	+19.0	1,290,808	1,197,11
Household durable goods	10,531	9,971	10,336	+5.6	-3.5	+10.6	10,817	10,885	11,820	9,086	+19.1	109,245	100,16
Information technology industries	22,355	22,321	22,902	+0.2	-2.5	+2.8	22,388	21,049	26,896	20,519	+9.1	239,662	215,06
Health care equipment and products	11,190	11,294	11,284	-0.9	+0.1	+2.0	11,113	11,669	12,221	10,888	+2.1	121,448	114,38

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96
UNFILLED ORDERS											
l manufacturing industries	542,460	530,498	527,931	+2.3	+0.5	+0.2	537,628	527,504	522,706	511,547	+5.1
ket categories :											
utomotive equipment	2,449	2,459	2,428	-0.4	+1.3	-0.2	2,378	2,425	2,421	2,208	+7.7
ome goods and apparel	10,253	9,572	9,293	+7.1	+3.0	+4.6	9,407	9,403	9,572	8,051	+16.8
onsumer staples	2,172	2,285	2,318	-4.9	-1.4	-2.1	2,151	2,296	2,460	2,117	+1.6
lachinery and equipment	249,867	237,884	234,197	+5.0	+1.6	+0.1	249,884	237,766	233,157	230,231	+8.5
usiness supplies	6,982	6,998	6,905	-0.2	+1.3	-1.6	6,839	6,873	6,957	6,547	+4.5
onstruction materials and supplies	17,572	17,552	17,230	+0.1	+1.9	+0.1	17,163	17,303	17,282	15,578	+10.2
efense products	98,831	99,916	101,575	-1.1	-1.6	-0.7	96,942	97,732	99,381	102,572	-5.5
ther materials, supplies and and intermediate products	154,334	153,832	153,985	+0.3	-0.1	+0.7	152,864	153,706	151,476	144,243	+6.0
ıble goods industries :											
ondefense capital goods [3]	267,082	255,533	252,771	+4.5	+1.1	+0.1	267,398	255,463	251,751	251,120	+6.5
Excluding aircraft and parts	101,823	101,468	100,556	+0.3	+0.9	+1.3	102,139	101,398	99,536	96,497	+5.8
efense capital goods [4]	103,323	104,368	106,134	-1.0	-1.7	-0.7	101,355	102,166	103,976	107,154	-5.4
urables excluding capital goods	145,626	144,266	142,836	+0.9	+1.0	+0.9	143,392	144,328	140,734	128,646	+11.5
ellaneous series :											
oducers' durable equipment	290,177	277,344	272,091	+4.6	+1.9	+0.2	289,723	277,350	271,354	264,338	+9.6
ousehold durable goods	7,016	6,552	6,455	+7.1	+1.5	+3.9	6,645	6,635	6,699	5,030	+32.1
formation technology industries	38,137	38,391	38,722	-0.7	-0.9	-0.3	38,474	38,564	38,641	36,893	+4.3
ealth care equipment and products	8,174	8,062	7,977	+1.4	+1.1	-0.1	8,371	8,214	7,859	7,926	+5.6
TOTAL INVENTORIES											
manufacturing industries	453,921	452,139	449,152	+0.4	+0.7	+0.2	454,407	453,221	448,616	435,162	+4.4
ket categories :											
utomotive equipment	8,140	8,269	8,496	-1.6	-2.7	+3.2	8,142	8,298	8,534	8,127	+0.2
ome goods and apparel	32,791	32,873	32,763	-0.2	+0.3	-0.1	31,491	32,276	32,630	30,246	+4.1
onsumer staples	70,821	70,419	69,507	+0.6	+1.3	+0.8	72,240	72,463	70,262	68,737	+5.1
achinery and equipment	115,949	115,149	113,192	+0.7	+1.7	-0.5	117,280	115,615	112,739	108,525	+8.1
usiness supplies	27,264	27,104	26,993	+0.6	+0.4	+0.9	27,098	27,164	27,142	26,024	+4.1
onstruction materials and supplies	27,815	27,653	27,636	+0.6	+0.1	+0.2	27,451	27,317	27,388	26,330	+4.3
efense products	15,742	15,835	16,029	-0.6	-1.2	+1.4	15,780	15,983	16,287	16,389	-3.7
her materials, supplies and and intermediate products	155,399	154,837	154,536	+0.4	+0.2	0.0	154,925	154,105	153,634	150,784	+2.7
ble goods industries :											
ondefense capital goods [3]	109,764	109,067	107,231	+0.6	+1.7	-0.8	111,193	109,676	106,839	103,108	+7.8
Excluding aircraft and parts	72,292	72,153	71,769	+0.2	+0.5	-0.5	73,021	72,468	71,486	71,635	+1.9
efense capital goods [4]	15,959	16,070	16,298	-0.7	-1.4	+1.2	16,004	16,256	16,613	16,690	-4.1
urables excluding capital goods	158,679	158,340	158,233	+0.2	+0.1	+0.4	157,944	157,741	157,660	152,814	+3.4
ellaneous series :											
oducers' durable equipment	185,012	184,188	182,349	+0.4	+1.0	-0.4	185,979	184,403	181,708	175,585	+5.9
ousehold durable goods	16,409	16,377	16,309	+0.2	+0.4	-0.4	15,971	16,196	16,197	15,403	+3.7
formation technology industries	34,895	34,831	34,943	+0.2	-0.3	-1.0	35,380	35,133	34,867	35,032	+1.0
ealth care equipment and products	18,403	18,147	17,755	+1.4	+2.2	+1.8	18,498	18,272	17,711	16,649	+11.1

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Nov. 1996	Nov. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	148,046	148,806	148,666	-0.5	+0.1	+0.9	148,204	149,648	148,698	145,173	+2.1
Durable goods industries	87,039	87,261	87,175	-0.3	+0.1	+0.9	87,708	88,035	87,713	84,808	+3.4
Stone, clay, and glass products	2,963	2,927	2,918	+1.2	+0.3	+1.6	2,949	2,934	2,926	2,851	+3.4
Primary metals	7,946	8,087	8,041	-1.7	+0.6	+0.1	8,107	8,260	8,095	7,957	+1.9
Fabricated metal products	10,566	10,545	10,604	+0.2	-0.6	+1.3	10,494	10,460	10,564	10,196	+2.9
Industrial machinery and equipment	18,402	18,436	18,378	-0.2	+0.3	+1.4	18,623	18,580	18,569	18,231	+2.2
Electronic and other electrical equipment	13,730	13,636	13,675	+0.7	-0.3	+0.3	13,710	13,793	13,814	13,540	+1.3
Transportation equipment	14,560	14,846	14,883	-1.9	-0.2	+1.2	14,674	14,882	14,868	13,988	+4.9
Instruments and related products	8,612	8,548	8,477	+0.7	+0.8	+1.0	8,551	8,543	8,505	7,688	+11.2
Lumber, furniture and miscellaneous durable goods	10,260	10,236	10,199	+0.2	+0.4	+0.8	10,600	10,583	10,372	10,357	+2.3
Nondurable goods industries	61,007	61,545	61,491	-0.9	+0.1	+0.9	60,496	61,613	60,985	60,365	+0.2
Food and kindred products	10,848	11,186	11,271	-3.0	-0.8	+0.6	11,110	11,608	10,924	11,773	-5.6
Tobacco products	5,240	5,294	5,217	-1.0	+1.5	+0.6	5,117	5,181	5,054	4,799	+6.6
Textile mill products	3,066	3,121	3,170	-1.8	-1.5	-0.1	2,986	3,026	3,088	2,996	-0.3
Paper and allied products	7,747	7,748	7,740	0.0	+0.1	+0.7	7,748	7,772	7,738	7,904	-2.0
Chemicals and allied products	14,555	14,499	14,581	+0.4	-0.6	+1.5	14,470	14,450	14,623	13,786	+5.0
Petroleum and coal products	3,680	3,679	3,603	0.0	+2.1	+0.6	3,545	3,708	3,589	3,543	+0.1
Rubber and plastics products	6,324	6,318	6,273	+0.1	+0.7	+1.0	6,235	6,238	6,237	6,088	+2.4
Apparel, printing and publishing and leather goods	9,547	9,700	9,636	-1.6	+0.7	+0.9	9,285	9,630	9,732	9,476	-2.0
WORK IN PROCESS											
All manufacturing industries	145,545	144,027	142,353	+1.1	+1.2	-0.3	147,082	145,487	143,457	138,464	+6.2
Durable goods industries	116,281	115,099	113,995	+1.0	+1.0	-0.6	117,233	115,573	114,551	111,232	+5.4
Stone, clay, and glass products	1,282	1,285	1,281	-0.2	+0.3	+0.8	1,184	1,207	1,241	1,166	+1.5
Primary metals	8,800	8,723	8,759	+0.9	-0.4	-0.8	8,635	8,622	8,766	8,580	+0.6
Fabricated metal products	8,122	8,080	8,112	+0.5	-0.4	+0.3	8,083	8,095	8,212	7,561	+6.9
Industrial machinery and equipment	23,105	22,937	22,723	+0.7	+0.9	-0.4	23,429	23,047	22,776	22,880	+2.4
Electronic and other electrical equipment	15,098	14,985	15,057	+0.8	-0.5	-0.1	15,212	15,038	15,075	15,303	-0.6
Transportation equipment	44,728	44,156	43,030	+1.3	+2.6	-0.8	45,570	44,617	43,329	40,709	+11.9
Instruments and related products	9,846	9,710	9,839	+1.4	-1.3	-2.0	9,914	9,714	9,883	10,171	-2.5
Lumber, furniture and miscellaneous durable goods	5,300	5,223	5,194	+1.5	+0.6	+1.3	5,206	5,233	5,269	4,862	+7.1
Nondurable goods industries	29,264	28,928	28,358	+1.2	+2.0	+0.7	29,849	29,914	28,906	27,232	+9.6
Food and kindred products	5,394	5,340	5,242	+1.0	+1.9	-0.1	5,949	6,139	5,489	5,497	+8.2
Tobacco products	94	111	138	-15.3	-19.6	-22.9	155	157	154	398	-61.1
Textile mill products	2,621	2,635	2,575	-0.5	+2.3	+0.8	2,615	2,639	2,594	2,519	+3.8
Paper and allied products	1,779	1,777	1,782	+0.1	-0.3	+2.7	1,720	1,720	1,771	1,628	+5.7
Chemicals and allied products	8,274	8,121	7,681	+1.9	+5.7	+2.2	8,267	8,118	7,718	6,596	+25.3
Petroleum and coal products	2,730	2,705	2,683	+0.9	+0.8	+2.0	2,720	2,737	2,718	2,720	0.0
Rubber and plastics products	2,210	2,189	2,303	+1.0	-5.0	+1.6	2,245	2,216	2,292	2,131	+5.3
Apparel, printing and publishing and leather goods	6,162	6,050	5,954	+1.9	+1.6	-1.0	6,178	6,188	6,170	5,743	+7.6
FINISHED GOODS											
All manufacturing industries	160,330	159,306	158,133	+0.6	+0.7	-0.1	159,121	158,086	156,461	151,525	+5.0
Durable goods industries	81,082	81,117	80,592	0.0	+0.7	-0.4	80,200	80,065	78,848	76,572	+4.7
Stone, clay, and glass products	4,549	4,418	4,545	+3.0	-2.8	-0.4	4,336	4,177	4,398	4,178	+3.8
Primary metals	8,153	8,065	8,011	+1.1	+0.7	-0.2	8,009	7,802	7,865	7,816	+2.5
Fabricated metal products	10,448	10,404	10,152	+0.4	+2.5	+0.7	10,126	10,059	9,841	9,168	+10.4
Industrial machinery and equipment	19,098	19,114	18,983	-0.1	+0.7	-1.7	19,175	18,919	18,249	18,653	+2.8
Electronic and other electrical equipment	11,348	11,427	11,232	-0.7	+1.7	-2.2	11,274	11,421	11,032	10,806	+4.3
Transportation equipment	9,328	9,501	9,648	-1.8	-1.5	+2.9	9,242	9,619	9,667	8,751	+5.6
Instruments and related products	6,649	6,642	6,582	+0.1	+0.9	0.0	6,808	6,817	6,630	6,629	+2.7
Lumber, furniture and miscellaneous durable goods	11,509	11,546	11,439	-0.3	+0.9	-0.2	11,230	11,251	11,166	10,571	+6.2
Nondurable goods industries	79,248	78,189	77,541	+1.4	+0.8	+0.1	78,921	78,021	77,613	74,953	+5.3
Food and kindred products	19,280	18,987	18,795	+1.5	+1.0	+0.1	20,129	19,893	19,661	19,148	+5.1
Tobacco products	882	762	711	+15.7	+7.2	-8.3	1,093	933	704	1,147	-4.7
Textile mill products	4,556	4,558	4,564	0.0	-0.1	-0.1	4,441	4,450	4,428	4,322	+2.8
Paper and allied products	6,624	6,554	6,576	+1.1	-0.3	+0.8	6,518	6,383	6,476	6,524	-0.1
Chemicals and allied products	21,609	21,274	20,944	+1.6	+1.6	+0.9	21,375	20,884	20,564	20,122	+6.2
Petroleum and coal products	6,177	6,079	6,164	+1.6	-1.4	-0.9	6,198	6,091	6,276	5,981	+3.6
Rubber and plastics products	7,966	7,868	7,742	+1.2	+1.6	-1.8	7,656	7,542	7,450	7,085	+8.1
Apparel, printing and publishing and leather goods	12,154	12,107	12,045	+0.4	+0.5	+0.6	11,511	11,845	12,054	10,624	+8.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Aug. 1997	Nov. 1997[p]	Oct. 1997[r]	Sept. 1997	Aug. 1997
All manufacturing industries	1.36	1.35	1.34	1.36	2.88	2.82	2.78	2.85
rable goods industries	1.55	1.54	1.52	1.56	3.42	3.35	3.30	3.38
Stone, clay, and glass products	1.15	1.13	1.13	1.15	0.90	0.90	0.87	0.89
Primary metals	1.62	1.60	1.59	1.62	2.22	2.16	2.15	2.10
Fabricated metal products	1.51	1.50	1.48	1.50	1.50	1.48	1.46	1.46
ndustrial machinery and equipment	1.79	1.74	1.71	1.77	2.28	2.25	2.24	2.30
Electronic and other electrical equipment	1.31	1.32	1.29	1.33	1.81	1.84	1.80	1.83
Transportation equipment	1.57	1.59	1.56	1.58	11.14	11.25	10.91	11.30
nstruments and related products	1.89	1.81	1.80	1.91	3.63	3.49	3.49	3.74
ndurable goods industries	1.13	1.12	1.12	1.12	0.70	0.70	0.70	0.71
Food and kindred products	0.87	0.88	0.89	0.87	(X)	(X)	(X)	(X)
Tobacco products	1.78	1.81	1.80	1.91	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.50	1.49	1.51	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.16	1.15	1.16	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.34	1.31	1.31	(X)	(X)	(X)	(X)
etroleum and coal products	0.84	0.81	0.80	0.79	(X)	(X)	(X)	(X)
ubber and plastics products	1.31	1.28	1.29	1.33	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1997	Nov.[2] 1992-1996	Nov. 1996-Oct. 1997	Nov.[1] 1997	Nov.[2] 1992-1996	Nov. 1996-Oct. 1997	Nov.[1] 1997	Nov.[2] 1992-1996	Nov. 1996-Oct. 1997	Nov.[1] 1997	Nov.[2] 1992-1996	Nov. 1996-Oct. 1997
ll manufacturing industries	(X)	0.2	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
able goods industries	0.1	0.3	0.2	0.0	0.2	0.3	0.0	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.4	0.5	(X)	0.4	1.1	(X)	0.5	0.9	(X)	0.1	0.2
imary metals	-0.3	0.5	0.2	-0.7	0.5	0.7	-0.2	0.2	0.3	(X)	0.1	0.0
bricated metal products	(X)	0.5	0.3	(X)	0.9	0.6	(X)	0.4	0.4	(X)	0.1	0.1
dustrial machinery and equipment	-0.1	0.8	0.6	-0.3	1.0	0.8	-0.1	0.2	0.2	(X)	0.1	0.1
ectronic and other electrical equipment	0.6	0.5	0.5	0.6	0.5	1.2	0.0	0.3	0.5	(X)	0.1	0.1
ansportation equipment	0.5	0.4	0.3	0.7	0.4	0.9	0.0	0.1	0.1	(X)	0.2	0.2
struments and related products	(X)	0.3	0.5	(X)	0.9	1.3	(X)	0.2	0.3	(X)	0.2	0.2
ndurable goods industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.3	0.2	(X)	0.1	0.1
od and kindred products	(X)	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bacco products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
per and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
troleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5
bber and plastics products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
ital goods industries :												
ndefense	0.5	0.4	0.4	0.5	0.7	0.7	0.0	0.2	0.1	(X)	0.1	0.2
fense	0.1	0.5	0.8	1.0	1.8	2.7	0.1	0.1	0.2	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

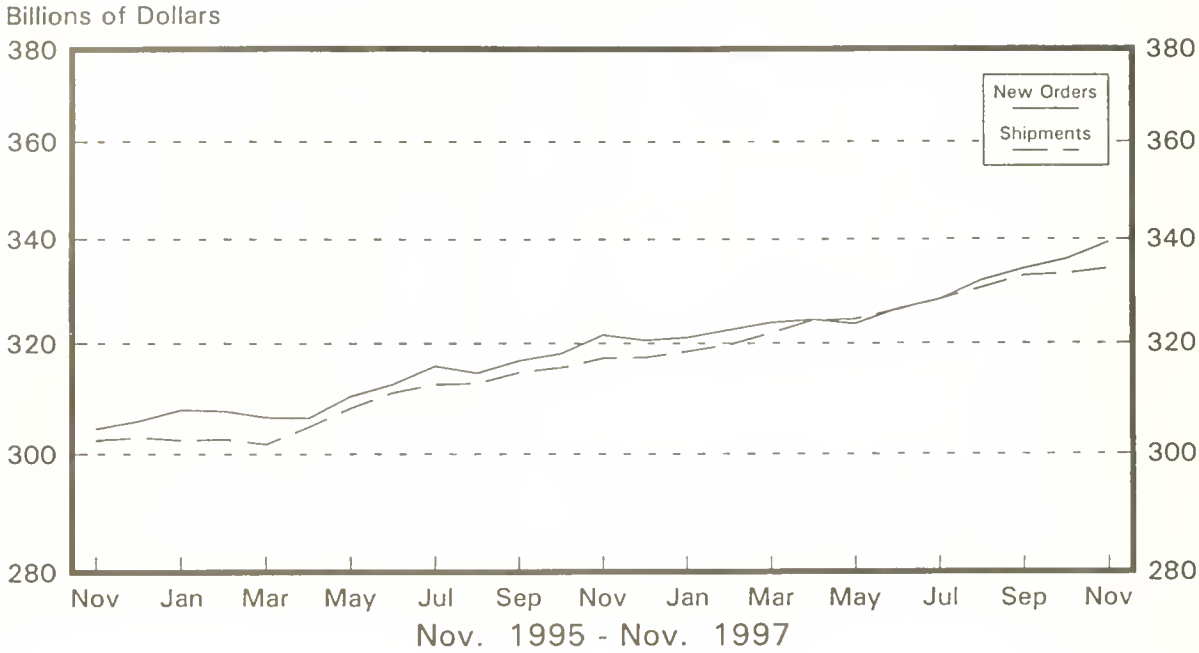
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

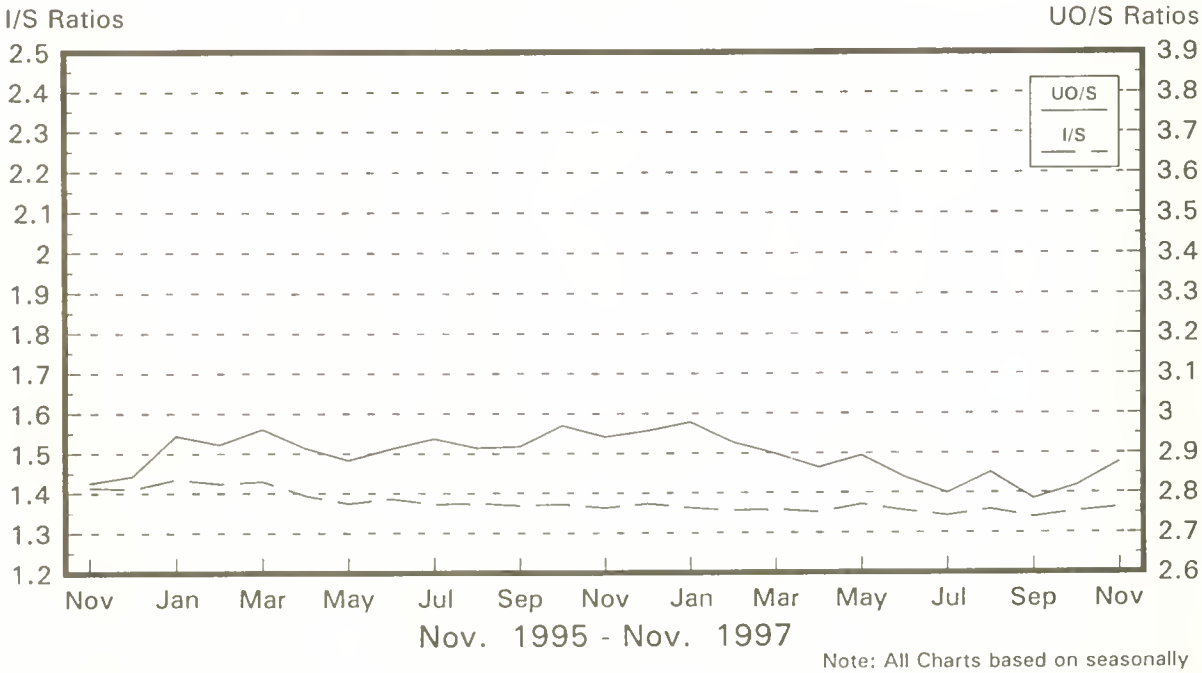
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

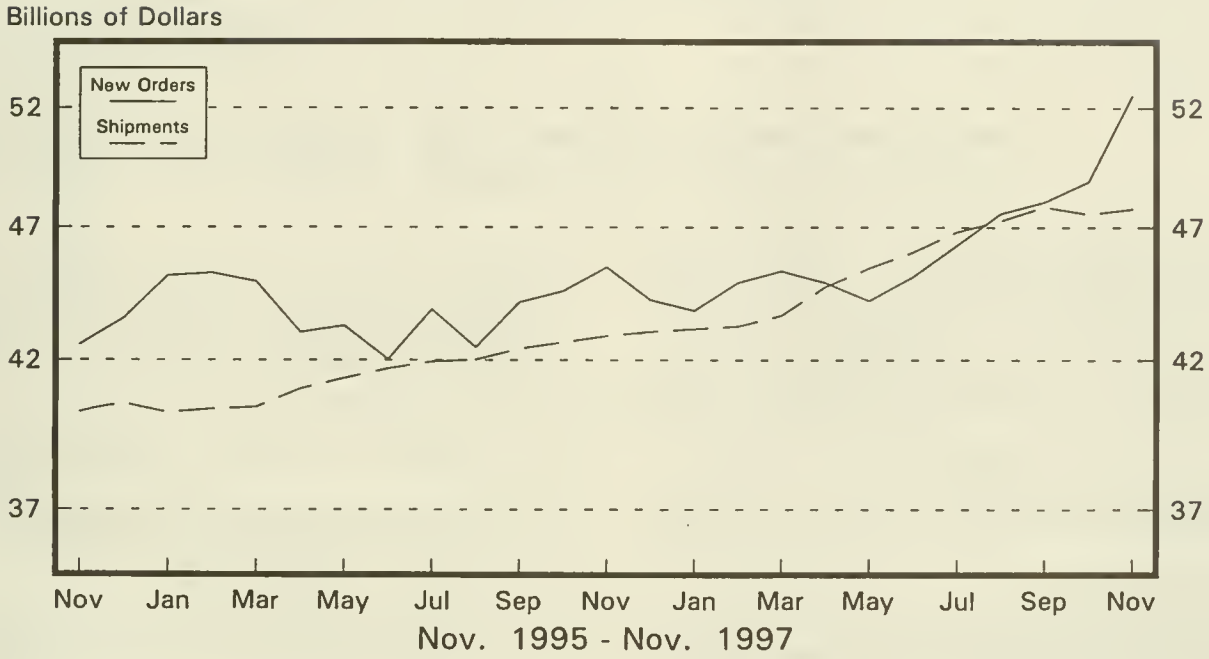
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

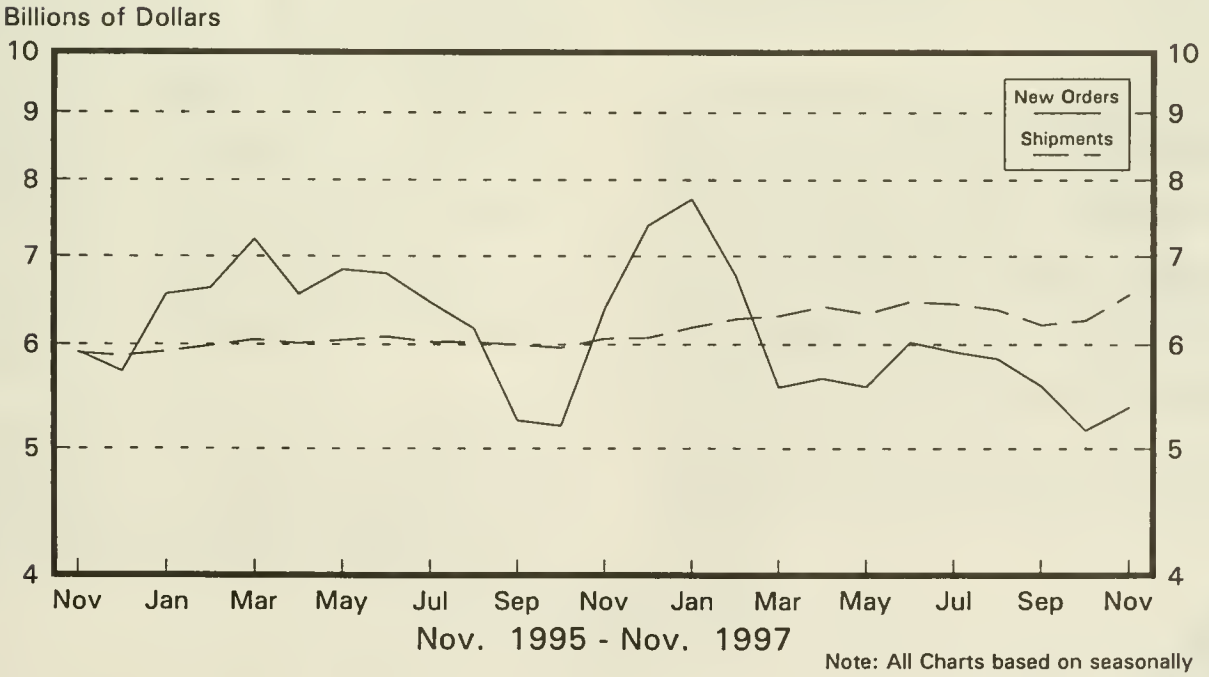
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
November 1997	Tues., Dec. 23	Tues, Jan 6, 1998
December 1997	Wed., Jan. 28	Thur., Feb 5
January 1998	Thur., Feb. 26	Thur., Mar. 5
February 1998	Wed., Mar. 25	Thur., Apr. 2
March 1998	Tues., Apr. 28	Wed., May 6
April 1998	Thur., May 28 (10 A.M.)	Thur., June 4
May 1998	Wed., June 24	Thur., July 2
June 1998	Wed., July 29	Thur., Aug. 6
July 1998	Wed., Aug. 26	Wed., Sep. 2
August 1998	Thur., Sept. 24 (10 A.M.)	Fri., Oct. 2
September 1998	Wed., Oct 28	Wed., Nov. 4
October 1998	Tues., Nov. 24 (10 A.M.)	Fri., Dec. 4
November 1998	Wed., Dec. 23 (10 A.M.)	Wed., Jan 6, 1999

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Manufacturers' Shipments, Inventories, and Orders

December 1997

M3-1-(97)-12

For Wire Transmissions 10:00 a.m. E.S.T. February 5, 1998

S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

For Data - (301) 457-4673
For Questions - Kathy Menth or Lee Wentela
(301) 457-4804 or (301) 457-4852

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December decreased $8.6 billion or 2.5 percent to $336.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.4 percent November increase and is the first decline since May and the third this year. Excluding transportation, new orders increased 1.2 percent, the first increase since September. New orders for 1997 are 5.4 percent above the same period a year ago.

Shipments increased $4.4 billion or 1.3 percent to $337.4 billion, following a 0.3 percent November decrease. This is the first increase since September and the seventh this year. Shipments for 1997 are 5.7 percent above 1996.

Unfilled orders, down for the first month since July, decreased $1.2 billion or 0.2 percent to $541.2 billion, following a 2.2 percent November increase. The unfilled orders-to-shipments ratio was 2.84, down from 2.89 in November.

Inventories, down for the first month since December 1996, decreased $0.4 billion or 0.1 percent to $453.7 billion, following a 0.5 percent November increase. The inventories-to-shipments ratio was 1.34, down from 1.36 in November.

New Orders

New orders for manufactured durable goods in December decreased $10.2 billion or 5.2 percent to $184.5 billion, revised from the previously published 6.1 percent decrease. This follows a 4.7 percent November increase and is the second decline in the last three months and the fourth this year.

Transportation equipment, down for the first month since September, had the largest decrease, $12.0 billion or 21.8 percent to $43.0 billion; a large decline in aircraft and parts was partially offset by increases led by shipbuilding and tanks. This follows a 21.8 percent November increase. Primary metals decreased $0.6 billion or 3.5 percent to $15.4 billion, following a 1.8 percent November increase. This is the second decrease in the last three months and the fourth this year. Electronic and other electrical equipment, up for the first month since August, increased $1.1 billion or 3.7 percent to $30.6 billion. This follows a 1.9 percent November decrease. Industrial machinery and equipment, up for the first month since September, increased $0.6 billion or 1.6 percent to $34.6 billion. This follows a 1.6 percent November decrease. Stone, clay, and glass products, up three of the last four months, increased $0.2 billion or 2.6 percent to $7.7 billion, following a 4.4 percent November decrease. Instruments and related products, up for the fourth consecutive month, increased $0.2 billion or 1.2 percent to $13.9 billion. This follows a 1.3 percent November increase.

New orders for nondurable goods, up three of the last four months, increased $1.6 billion or 1.0 percent to $151.7 billion, following a 0.3 percent November decrease. Paper and allied products, chemicals and allied products and food and kindred products had the largest increases; petroleum and coal products had the largest decrease.

Shipments

Shipments of durable goods in December, up for the first month since September, increased $2.9 billion or 1.6 percent to $185.8 billion, revised from the previously published 1.5 percent increase. This follows a 0.4 percent November decrease and is the eighth increase this year. Industrial machinery and equipment, up for the first month since September, had the largest increase, $1.3 billion or 3.9 percent to $35.3 billion. This follows a 2.2 percent November decrease. Electronic and other electrical equipment, also up for the first month since September, increased $0.6 billion or 1.9 percent to $30.7 billion. This follows a 0.3 percent November decrease. Instruments and related products, up for the first month since September, increased $0.3 billion or 2.1 percent to $13.5 billion. This follows a 3.4 percent November decrease. Stone, clay, and glass products, up for the first month since September, increased $0.2 billion or 3.3 percent to $7.8 billion. This follows a 1.3 percent November decline. Fabricated metal products, up for the first month since September, increased $0.2 billion or 1.3 percent to $19.6 billion. This follows a 0.4 percent November decrease. Transportation equipment increased 0.1 percent to $43.9 billion as an increase in motor vehicles and parts more than offset a decrease in aircraft and parts. This follows a 1.6 percent November increase and is the third increase in the last four months.

Shipments of nondurable goods, up three of the last four months, increased $1.5 billion or 1.0 percent to $151.6 billion, following a 0.2 percent November decrease. Chemicals and allied products, printing and publishing, paper and allied products, and food and kindred products had the largest increases; petroleum and coal products had the largest decline.

Unfilled Orders

Unfilled orders for durable goods in December decreased $1.2 billion or 0.2 percent to $514.8 billion, revised from the previously published 0.4 percent decrease. This follows a 2.4 percent November increase and is the first decline since July. Transportation equipment, down for the first month since September, declined $0.9 billion or 0.4 percent to $261.1 billion, as a large decline in aircraft and parts more than offset increases led by shipbuilding and tanks. This follows a 4.4 percent November increase. Industrial machinery and equipment, down two of the last three months, decreased $0.7 billion or 1.0 percent to $73.0 billion, following a slight November increase. Electronic and other electrical equipment, down for the third consecutive month, decreased $0.1 billion or 0.2 percent to $54.9 billion. This follows a 1.1 percent November decrease. Stone, clay, and glass products, down for the second consecutive month, decreased $0.1 billion or 1.7 percent to $6.4 billion. This follows a 0.9 percent November decline. Instruments and related products, up for the second consecutive month, increased $0.4 billion or 0.8 percent to $48.8 billion. This follows a 1.0 percent November increase.

Inventories

Inventories of durable goods in December decreased $0.7 billion or 0.2 percent to $284.0 billion, following a 0.4 percent November increase. This is the first decrease since September and the second this year. Transportation equipment, down for the first month since December 1995, decreased $1.1 billion or 1.6 percent to $67.6 billion. This follows a 0.2 percent November increase. Fabricated metal products, down for the first month since September 1996, decreased $0.1 billion or 0.3 percent to $29.1 billion. Electronic and other electrical equipment, up for the third consecutive month, increased $0.2 billion or 0.5 percent to $40.5 billion, following a 0.6 percent November increase. Primary metals, up for the third consecutive month, increased $0.1 billion or 0.6 percent to $25.1 billion, following a 0.3 percent November increase. Industrial machinery and equipment, up eight of the last nine months, increased $0.1 billion or 0.2 percent to $60.7 billion. This follows a 0.2 percent November increase.

Inventories of nondurable goods, up sixteen of the last seventeen months, increased $0.2 billion or 0.1 percent to $169.8 billion, following a 0.5 percent November increase. Food and kindred products had the largest increase; petroleum and coal products had the largest decline.

By stage of fabrication, December finished goods decreased 0.5 percent in durables and 0.5 percent in nondurables. Work in process decreased slightly in durables and increased 1.1 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and increased 0.4 percent in nondurables.

(See Back Page for 1998 Release Dates)

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for January is scheduled for February 26, 1998 at 8.30 a.m. and the full report on March 5, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96	1997[p]	1996
All manufacturing industries	337,386	332,955	334,064	+1.3	-0.3	-0.4	333,261	332,962	344,183	312,202	+6.7	3,948,483	3,735,183
Manufacturing Industries													
with unfilled orders	190,724	187,961	188,225	+1.5	-0.1	-0.7	195,886	188,514	191,604	179,689	+9.0	2,213,190	2,063,163
without defense capital goods	331,128	326,041	327,573	+1.6	-0.5	-0.5	326,142	325,848	337,904	304,780	+7.0	3,872,501	3,662,561
Durable goods industries	185,752	182,847	183,602	+1.6	-0.4	-1.0	186,946	182,202	188,297	170,766	+9.5	2,161,725	2,005,997
With unfilled orders	152,102	150,237	150,366	+1.2	-0.1	-1.2	157,638	149,835	152,077	144,239	+9.3	1,769,748	1,632,698
Stone, clay, and glass products	7,812	7,563	7,662	+3.3	-1.3	-0.7	6,780	7,459	8,393	5,979	+13.4	91,260	83,365
Primary metals	15,264	15,337	15,523	-0.5	-1.2	-0.3	14,095	15,057	15,888	13,599	+3.6	184,183	173,619
Blast furnaces, steel mills	6,295	6,170	6,184	+2.0	-0.2	-0.2	5,798	5,946	6,381	5,599	+3.6	74,557	72,268
Iron and steel foundries	1,591	1,508	1,561	+5.5	-3.4	+3.3	1,332	1,473	1,686	1,123	+18.6	17,826	16,592
Nonferrous and other primary metals	7,378	7,659	7,778	-3.7	-1.5	-1.0	6,965	7,638	7,821	6,877	+1.3	91,800	84,759
Fabricated metal products	19,552	19,309	19,387	+1.3	-0.4	-0.3	18,119	19,093	20,556	16,702	+8.5	227,871	215,427
Industrial machinery and equipment	35,301	33,991	34,755	+3.9	-2.2	-1.1	38,264	32,355	33,770	35,342	+8.3	406,218	378,366
Engines and turbines	1,951	1,942	2,006	+0.5	-3.2	+5.0	2,468	1,892	1,861	2,633	-6.3	22,591	22,162
Farm and garden machinery	2,008	1,696	2,008	+18.4	-15.5	-7.6	1,550	1,371	1,928	1,355	+14.4	24,031	22,344
Construction, mining and material handling equipment	3,991	3,973	3,955	+0.5	+0.5	+0.7	3,927	3,775	3,948	3,537	+11.0	45,822	41,557
Metalworking machinery	3,434	3,409	3,433	+0.7	-0.7	-6.4	3,585	3,711	3,666	3,379	+6.1	41,121	36,819
Computer and office equipment	9,529	8,817	9,222	+8.1	-4.4	-2.7	13,007	8,357	8,122	11,923	+9.1	109,696	101,207
Electronic and other electrical equipment	30,747	30,164	30,242	+1.9	-0.3	-2.5	34,036	31,165	30,358	30,592	+11.3	354,128	323,001
Electrical transmission and distribution equipment and industrial apparatus	3,414	3,352	3,434	+1.8	-2.4	-2.2	3,337	3,253	3,347	2,992	+11.5	39,733	37,783
Household appliances	2,254	2,154	2,166	+4.6	-0.6	+1.4	2,159	2,086	2,206	1,876	+15.1	24,782	23,431
Electric lighting and wiring equipment	2,239	2,178	2,178	+2.8	0.0	-2.3	2,342	2,281	2,152	2,131	+9.9	25,683	24,041
Household audio and video equipment	1,437	1,370	1,284	+4.9	+6.7	-1.2	1,394	1,719	1,727	1,230	+13.3	15,878	14,903
Communications equipment	6,676	6,467	6,780	+3.2	-4.6	+0.7	9,574	6,484	6,400	8,618	+11.1	77,295	68,091
Electronic components	12,688	12,433	12,195	+2.1	+2.0	-4.5	13,234	12,705	12,061	11,656	+13.5	144,705	128,942
Transportation equipment	43,919	43,882	43,177	+0.1	+1.6	-0.2	42,968	44,432	45,426	38,488	+11.6	509,728	471,661
Motor vehicles and parts	30,268	29,780	30,603	+1.6	-2.7	+2.4	26,385	30,401	33,562	23,358	+13.0	352,537	334,633
Aircraft, missiles, space vehicles, and parts	10,768	11,208	9,885	-3.9	+13.4	-5.8	13,743	11,175	9,152	12,255	+12.1	124,335	103,753
Shipbuilding and tanks	869	901	919	-3.6	-2.0	+8.0	1,038	876	835	1,206	-13.9	10,663	10,957
Instruments and related products	13,536	13,261	13,729	+2.1	-3.4	-0.5	14,460	13,299	13,418	13,278	+8.9	157,737	146,199
Search and navigation equipment	2,626	2,596	2,968	+1.2	-12.5	+4.7	2,782	2,633	2,831	2,694	+3.3	31,896	29,207
Measuring and controlling devices	3,942	3,984	4,046	-1.1	-1.5	-1.5	4,194	3,977	3,941	3,968	+5.7	46,913	43,689
Medical instruments and supplies	4,425	4,290	4,342	+3.1	-1.2	-1.3	4,881	4,194	4,179	4,389	+11.2	50,248	46,773
Photographic goods	2,052	1,939	1,910	+5.8	+1.5	-3.9	2,128	2,051	2,011	1,835	+16.0	23,245	22,039
All other durable goods	19,621	19,340	19,127	+1.5	+1.1	-2.3	18,224	19,342	20,488	16,786	+8.6	230,600	214,359
Nondurable goods industries	151,634	150,108	150,462	+1.0	-0.2	+0.4	146,315	150,760	155,886	141,436	+3.4	1,786,758	1,729,186
With unfilled orders	38,622	37,724	37,859	+2.4	-0.4	+1.1	38,248	38,679	39,527	35,450	+7.9	443,442	430,465
Food and kindred products	41,142	40,784	40,219	+0.9	+1.4	+1.2	40,786	41,898	41,955	39,120	+4.3	482,700	471,633
Meat products	8,817	8,801	8,661	+0.2	+1.6	+0.5	8,720	8,991	8,959	8,707	+0.1	106,250	105,397
Dairy products	5,371	5,108	5,051	+5.1	+1.1	+1.5	5,339	5,335	5,028	4,915	+8.6	60,610	59,197
Beverages	6,135	6,126	6,218	+0.1	-1.5	+3.3	5,742	5,861	6,147	5,413	+6.1	71,175	68,786
All other foods, except fats and oils	18,432	18,572	18,177	-0.8	+2.2	+0.4	18,598	19,534	19,709	17,918	+3.8	219,909	214,570
Tobacco products	3,266	3,449	3,398	-5.3	+1.5	+0.7	3,148	3,627	3,431	2,998	+5.0	38,704	34,492
Textile mill products	6,990	6,912	6,855	+1.1	+0.8	-0.6	6,372	6,966	7,160	6,138	+3.8	82,151	78,505
Broadwoven fabrics and other textiles	4,246	4,204	4,278	+1.0	-1.7	+1.9	4,025	4,092	4,348	3,941	+2.1	50,332	48,765
Paper and allied products	14,270	13,907	14,008	+2.6	-0.7	+1.3	13,857	13,739	14,353	12,822	+8.1	162,916	161,968
Pulp, paper, and paperboard mill products	5,679	5,560	5,572	+2.1	-0.2	+1.3	5,588	5,503	5,672	5,156	+8.4	64,544	65,393
Paperboard containers and boxes	3,559	3,509	3,418	+1.4	+2.7	+2.4	3,338	3,443	3,547	3,052	+9.4	39,746	39,609
Miscellaneous converted paper products	5,032	4,838	5,018	+4.0	-3.6	+0.6	4,931	4,793	5,134	4,614	+6.9	58,626	56,966
Chemicals and allied products	33,137	32,535	32,836	+1.9	-0.9	-0.1	32,056	31,042	32,498	30,829	+4.0	391,659	372,848
Industrial chemicals	16,120	16,078	16,046	+0.3	+0.2	-0.7	15,153	15,483	15,815	14,680	+3.2	191,845	182,458
Drugs, soaps, and toiletries	12,835	12,455	12,619	+3.1	-1.3	-0.4	13,541	12,310	13,108	13,116	+3.2	151,600	144,458
Petroleum and coal products	14,454	14,786	15,337	-2.2	-3.6	-1.1	14,009	14,869	15,934	15,817	-11.4	183,213	180,122
Rubber and plastics products	12,747	12,596	12,758	+1.2	-1.3	+1.1	11,304	12,099	13,247	10,617	+6.5	149,488	143,888
All other nondurable goods	25,628	25,139	25,051	+1.9	+0.4	+0.1	24,783	26,520	27,308	23,095	+7.3	295,927	285,730

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96	1997[p]	1996
All manufacturing industries	336,203	344,833	336,631	-2.5	+2.4	+0.1	331,239	342,769	348,981	312,874	+5.9	3,971,553	3,770,368
nufacturing industries													
ith unfilled orders	189,541	199,839	190,792	-5.2	+4.7	+0.2	193,864	198,321	196,402	180,361	+7.5	2,236,260	2,098,348
ithout defense capital goods	329,594	338,761	331,906	-2.7	+2.1	+0.3	321,341	336,544	344,512	300,928	+6.8	3,903,193	3,690,370
rable goods industries	184,538	194,741	186,028	-5.2	+4.7	-0.1	185,162	192,172	193,793	171,420	+8.0	2,184,294	2,039,558
ith unfilled orders	150,888	162,131	152,792	-6.9	+6.1	-0.1	155,854	159,805	157,573	144,893	+7.6	1,792,317	1,666,259
ne, clay, and glass products	7,699	7,506	7,852	+2.6	-4.4	+1.7	6,700	7,330	8,327	6,283	+6.6	90,845	83,133
nary metals	15,362	15,915	15,633	-3.5	+1.8	-6.4	14,942	15,396	15,555	14,318	+4.4	189,060	174,865
last furnaces, steel mills	6,684	6,713	6,563	-0.4	+2.3	+1.1	6,415	6,402	6,482	5,683	+12.9	76,935	72,295
ron and steel foundries	1,703	1,772	1,590	-3.9	+11.4	-3.2	1,542	1,695	1,650	1,336	+15.4	18,964	17,349
onferrous and other primary metals	6,975	7,430	7,480	-6.1	-0.7	-12.8	6,985	7,299	7,423	7,299	-4.3	93,161	85,221
ricated metal products	19,470	19,425	19,691	+0.2	-1.4	-0.6	18,066	18,968	20,545	17,054	+5.9	230,302	217,468
ustrial machinery and equipment	34,585	34,027	34,592	+1.6	-1.6	-2.2	36,766	33,108	34,647	34,134	+7.7	406,991	379,817
ngines and turbines	1,702	2,046	2,140	-16.8	-4.4	+14.2	2,158	2,198	2,259	2,558	-15.6	22,174	22,569
onstruction, mining and material handling equipment	4,328	4,237	4,298	+2.1	-1.4	+4.5	4,328	3,967	4,449	3,628	+19.3	47,573	41,818
etalworking machinery	3,001	3,316	3,390	-9.5	-2.2	+3.8	3,152	3,618	3,623	3,022	+4.3	40,055	36,863
omputer and office equipment	9,391	8,659	8,881	+8.5	-2.5	-6.2	12,308	8,399	8,034	11,471	+7.3	107,671	101,542
ctronic and other ectrical equipment	30,633	29,548	30,132	+3.7	-1.9	-4.2	31,738	29,079	33,367	25,457	+24.7	359,148	321,390
lectrical transmission and listribution equipment and ndustrial apparatus	3,615	3,403	3,108	+6.2	+9.5	-10.0	3,440	3,272	3,041	2,869	+19.9	39,649	38,000
lectric lighting and wiring equipment	2,287	2,146	2,370	+6.6	-9.5	+12.1	2,390	2,249	2,344	2,266	+5.5	26,096	24,573
ommunications equipment	6,202	6,354	6,542	-2.4	-2.9	-8.8	9,122	6,319	6,198	6,688	+36.4	79,204	66,989
lectronic components	12,714	12,190	12,385	+4.3	-1.6	-3.0	11,373	11,372	15,248	8,581	+32.5	146,657	127,371
nsportation equipment	42,985	54,987	45,142	-21.8	+21.8	+6.7	43,790	55,392	47,296	43,563	+0.5	514,771	502,861
Aircraft, missiles, space vehicles, and parts.	8,031	21,692	10,713	-63.0	+102.5	+21.7	12,690	21,668	10,068	15,723	-19.3	127,069	134,097
hipbuilding and tanks	1,952	983	466	+98.6	+110.9	-52.9	2,043	851	403	2,491	-18.0	9,630	11,975
uments and related products	13,909	13,748	13,573	+1.2	+1.3	+4.6	15,397	13,664	13,284	14,286	+7.8	160,797	145,455
earch and navigation equipment	2,755	2,713	2,690	+1.5	+0.9	+13.3	3,633	2,746	2,385	3,579	+1.5	33,084	28,047
leasuring and controlling devices	4,135	3,968	4,336	+4.2	-8.5	+14.6	4,387	3,961	4,231	4,446	-1.3	47,283	43,712
edical instruments and supplies	4,538	4,433	4,428	+2.4	+0.1	+0.9	4,823	4,350	4,535	3,921	+23.0	51,088	46,881
other durable goods	19,895	19,585	19,413	+1.6	+0.9	-2.1	17,763	19,235	20,772	16,325	+8.8	232,380	214,569
durable goods industries	151,665	150,092	150,603	+1.0	-0.3	+0.4	146,077	150,597	155,188	141,454	+3.3	1,787,259	1,730,810
ith unfilled orders	38,653	37,708	38,000	+2.5	-0.8	+1.0	38,010	38,516	38,829	35,468	+7.2	443,943	432,089

Preliminary. ' Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percei chang
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec 97/96
All manufacturing industries	541,193	542,376	530,498	-0.2	+2.2	+0.5	535,289	537,311	527,504	512,219	+4.5
Manufacturing industries without defense capital goods	437,316	438,850	426,130	-0.3	+3.0	+1.0	431,233	436,034	425,338	400,541	+7.7
Durable goods industries	514,847	516,061	504,167	-0.2	+2.4	+0.5	510,143	511,927	501,957	487,574	+4.6
Stone, clay, and glass products	6,418	6,531	6,588	-1.7	-0.9	+3.0	6,162	6,242	6,371	6,577	-6.3
Primary metals	34,208	34,110	33,532	+0.3	+1.7	+0.3	33,315	32,468	32,129	28,438	+17.1
Blast furnaces, steel mills	14,508	14,119	13,576	+2.8	+4.0	+2.9	13,913	13,296	12,840	11,535	+20.6
Iron and steel foundries	5,558	5,446	5,182	+2.1	+5.1	+0.6	5,430	5,220	4,998	4,292	+26.5
Nonferrous and other primary metals	14,142	14,545	14,774	-2.8	-1.6	-2.0	13,972	13,952	14,291	12,611	+10.8
Fabricated metal products	27,010	27,092	26,976	-0.3	+0.4	+1.1	26,661	26,714	26,839	24,230	+10.0
Industrial machinery and equipment	72,996	73,712	73,676	-1.0	0.0	-0.2	72,937	74,435	73,682	72,164	+1.1
Engines and turbines	11,702	11,951	11,847	-2.1	+0.9	+1.1	12,284	12,594	12,288	12,701	-3.3
Construction, mining and material handling equipment	10,603	10,266	10,002	+3.3	+2.6	+3.6	10,380	9,979	9,787	8,629	+20.3
Metalworking machinery	7,144	7,577	7,670	-5.7	-1.2	-0.6	7,144	7,577	7,670	8,210	-13.0
Computer and office equipment	7,955	8,093	8,251	-1.7	-1.9	-4.0	7,756	8,455	8,413	9,781	-20.7
Electronic and other electrical equipment	54,945	55,059	55,675	-0.2	-1.1	-0.2	52,882	55,180	57,266	47,862	+10.5
Electrical transmission and distribution equipment and industrial apparatus	6,404	6,203	6,152	+3.2	+0.8	-5.0	6,218	6,115	6,096	6,302	-1.3
Electric lighting and wiring equipment	4,827	4,779	4,811	+1.0	-0.7	+4.2	4,827	4,779	4,811	4,414	+9.4
Communications equipment	14,292	14,766	14,879	-3.2	-0.8	-1.6	14,309	14,761	14,926	12,400	+15.4
Electronic components	23,124	23,098	23,341	+0.1	-1.0	+0.8	21,713	23,574	24,907	19,761	+9.9
Transportation equipment	261,107	262,041	250,936	-0.4	+4.4	+0.8	260,778	259,956	248,996	255,735	+2.0
Aircraft, missiles, space vehicles, and parts	225,708	228,445	217,961	-1.2	+4.8	+0.4	225,643	226,696	216,203	222,909	+1.2
Shipbuilding and tanks	18,563	17,480	17,398	+6.2	+0.5	-2.5	18,420	17,415	17,440	19,453	-5.3
Instruments and related products	48,795	48,422	47,935	+0.8	+1.0	-0.3	48,872	47,935	47,570	45,812	+6.7
Search and navigation equipment	28,578	28,449	28,332	+0.5	+0.4	-1.0	28,805	27,954	27,841	27,617	+4.3
Measuring and controlling devices	10,117	9,924	9,940	+1.9	-0.2	+3.0	10,117	9,924	9,940	9,747	+3.8
Medical instruments and supplies	8,274	8,161	8,018	+1.4	+1.8	+1.1	8,266	8,324	8,168	7,426	+11.3
All other durable goods	9,368	9,094	8,849	+3.0	+2.8	+3.3	8,536	8,997	9,104	6,756	+26.3
Nondurable goods industries	26,346	26,315	26,331	+0.1	-0.1	+0.5	25,146	25,384	25,547	24,645	+2.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96
All manufacturing industries	453,738	454,182	452,139	-0.1	+0.5	+0.7	443,183	454,521	453,221	424,462	+4.4
nufacturing industries											
th unfilled orders	300,644	301,164	299,664	-0.2	+0.5	+0.7	291,280	301,051	299,784	279,058	+4.4
thout defense capital goods	436,742	438,096	436,069	-0.3	+0.5	+0.7	426,947	438,487	436,965	408,821	+4.4
rable goods industries	283,985	284,649	283,477	-0.2	+0.4	+0.6	275,960	285,247	283,673	263,937	+4.6
/ith unfilled orders	260,666	261,351	259,929	-0.3	+0.5	+0.7	252,805	261,795	260,280	241,616	+4.6
ne, clay, and glass products	8,764	8,745	8,630	+0.2	+1.3	-1.3	8,541	8,414	8,318	8,385	+1.9
mary metals	25,104	24,956	24,875	+0.6	+0.3	+0.3	25,174	24,776	24,684	24,801	+1.5
Blast furnaces, steel mills	12,078	12,060	12,061	+0.1	0.0	0.0	12,368	12,173	12,058	12,549	-1.4
ron and steel foundries	1,634	1,641	1,640	-0.4	+0.1	-0.8	1,596	1,600	1,604	1,624	-1.7
Nonferrous and other primary metals	11,392	11,255	11,174	+1.2	+0.7	+0.7	11,210	11,003	11,022	10,628	+5.5
bricated metal products	29,090	29,166	29,029	-0.3	+0.5	+0.6	28,564	28,679	28,614	26,940	+6.0
ustrial machinery and equipment	60,692	60,592	60,487	+0.2	+0.2	+0.7	58,435	61,211	60,546	56,104	+4.2
ngines and turbines	3,852	3,861	3,803	-0.2	+1.5	+1.6	3,636	4,108	3,974	3,534	+2.9
'arm and garden machinery	3,291	3,262	3,311	+0.9	-1.5	+2.3	3,426	3,251	3,130	3,112	+10.1
'onstruction, mining and material handling equipment	8,154	8,072	7,971	+1.0	+1.3	+0.4	7,975	8,035	7,938	7,378	+8.1
Metalworking machinery	7,405	7,328	7,294	+1.1	+0.5	+1.5	6,953	7,246	7,325	6,651	+4.5
'omputer and office equipment	11,488	11,658	11,765	-1.5	-0.9	-1.3	10,546	12,092	11,923	10,875	-3.0
ctronic and other ectrical equipment	40,504	40,302	40,048	+0.5	+0.6	+0.2	39,115	40,305	40,252	38,025	+2.9
lectrical transmission and distribution equipment and ndustrial apparatus	5,269	5,227	5,245	+0.8	-0.3	0.0	5,123	5,316	5,304	5,018	+2.1
lousehold appliances	2,552	2,644	2,682	-3.5	-1.4	-2.4	2,320	2,565	2,588	2,558	-9.3
lectric lighting and wiring equipment	3,405	3,422	3,410	-0.5	+0.4	+0.5	3,225	3,417	3,421	3,100	+4.0
lousehold audio and video equipment	1,435	1,499	1,569	-4.3	-4.5	+1.5	1,320	1,415	1,552	1,541	-14.3
ommunications equipment	11,152	11,053	10,871	+0.9	+1.7	+0.3	10,667	11,100	10,948	9,793	+8.9
lectronic components	13,410	13,181	12,976	+1.7	+1.6	+1.0	13,343	13,315	13,162	12,755	+4.6
nsportation equipment	67,566	68,630	68,503	-1.6	+0.2	+1.4	64,862	69,484	69,118	60,504	+7.2
lotor vehicles and parts	16,398	16,427	16,654	-0.2	-1.4	-2.6	15,896	16,529	16,787	16,151	-1.6
ircraft, missiles, space vehicles, and parts	46,304	47,448	47,061	-2.4	+0.8	+2.9	44,224	48,218	47,562	39,834	+11.0
hipbuilding and tanks	1,681	1,612	1,624	+4.3	-0.7	-0.1	1,645	1,594	1,585	1,671	-1.6
uments and related products	25,093	25,160	24,900	-0.3	+1.0	0.0	24,322	25,314	25,074	23,623	+3.0
earch and navigation equipment	6,206	6,086	6,038	+2.0	+0.8	-1.8	6,048	6,054	5,985	5,882	+2.8
leasuring and controlling devices	7,867	7,882	7,816	-0.2	+0.8	+0.3	7,662	7,915	7,811	7,513	+2.0
ledical instruments and supplies	7,965	8,168	8,036	-2.5	+1.6	+0.8	7,766	8,279	8,152	7,479	+3.8
hotographic goods	2,372	2,343	2,334	+1.2	+0.4	+0.6	2,163	2,379	2,449	2,129	+1.6
other durable goods	27,172	27,098	27,005	+0.3	+0.3	+0.6	26,947	27,064	27,067	25,555	+5.4
durable goods industries	169,753	169,533	168,662	+0.1	+0.5	+0.8	167,223	169,274	169,548	160,525	+4.2
/ith unfilled orders	39,978	39,813	39,735	+0.4	+0.2	+0.3	38,475	39,256	39,504	37,442	+2.8
d and kindred products	35,910	35,664	35,513	+0.7	+0.4	+0.6	36,292	37,316	37,640	34,966	+3.8
leat products	3,879	3,866	3,821	+0.3	+1.2	-0.1	3,685	3,853	3,845	3,560	+3.5
airy products	3,324	3,264	3,187	+1.8	+2.4	+0.7	3,188	3,195	3,224	2,980	+7.0
everages	7,183	7,187	7,129	-0.1	+0.8	+1.1	7,111	7,337	7,380	6,494	+9.5
ll other foods, except fats and oils	19,590	19,352	19,360	+1.2	0.0	-0.1	20,295	20,740	21,080	19,895	+2.0
acco products	6,118	6,232	6,167	-1.8	+1.1	+1.7	6,546	6,407	6,271	6,661	-1.7
tile mill products	10,246	10,245	10,314	0.0	-0.7	0.0	9,795	10,040	10,115	9,591	+2.1
roadwoven fabrics and other textiles	6,429	6,398	6,414	+0.5	-0.2	0.0	6,198	6,333	6,309	6,073	+2.1
er and allied products	16,273	16,177	16,079	+0.6	+0.6	-0.1	16,147	15,985	15,875	16,026	+0.8
ulp, paper, and paperboard mill products	6,643	6,630	6,585	+0.2	+0.7	-0.1	6,590	6,590	6,489	6,620	-0.5
aperboard containers and boxes	3,975	3,937	3,905	+1.0	+0.8	+1.3	3,987	3,848	3,824	3,933	+1.4
liscellaneous converted paper products	5,655	5,610	5,589	+0.8	+0.4	-1.1	5,570	5,547	5,562	5,473	+1.8
micals and allied products	44,449	44,470	43,894	0.0	+1.3	+1.6	44,145	44,129	43,452	41,033	+7.6
ndustrial chemicals	20,069	20,213	19,864	-0.7	+1.8	+0.2	20,230	20,003	19,625	19,565	+3.4
rugs, soaps, and toiletries	18,963	18,867	18,651	+0.5	+1.2	+3.4	18,508	18,872	18,674	16,322	+13.4
oleum and coal products	12,294	12,459	12,463	-1.3	0.0	+0.1	11,674	12,374	12,536	11,844	-1.4
ber and plastics products	16,502	16,464	16,375	+0.2	+0.5	+0.3	16,316	16,116	15,996	15,549	+4.9
other nondurable goods	27,961	27,822	27,857	+0.5	-0.1	+0.8	26,308	26,907	27,663	24,855	+5.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96	1997[p]	1996
SHIPMENTS													
All manufacturing industries	337,386	332,955	334,064	+1.3	-0.3	-0.4	333,261	332,962	344,183	312,202	+6.7	3,948,483	3,735,18
Market categories :													
Automotive equipment	14,995	14,696	14,990	+2.0	-2.0	+1.7	13,060	15,057	16,575	11,638	+12.2	173,496	166,34.
Home goods and apparel	19,946	19,538	19,232	+2.1	+1.6	-1.5	17,701	20,584	21,727	16,388	+8.0	229,676	219,05
Consumer staples	69,828	69,516	69,500	+0.4	0.0	+0.5	70,059	70,796	72,042	68,615	+2.1	829,065	802,09
Machinery and equipment	62,162	59,920	60,469	+3.7	-0.9	-2.1	69,178	58,833	59,825	62,271	+11.1	714,051	653,89
Business supplies	26,496	25,883	26,049	+2.4	-0.6	+0.1	26,025	26,318	26,869	24,220	+7.5	307,247	293,49
Construction materials and supplies	21,042	20,662	20,854	+1.8	-0.9	-1.4	19,074	20,284	22,236	17,950	+6.3	249,471	235,09.
Defense products	6,688	7,313	6,898	-8.5	+6.0	+5.3	7,423	7,417	6,679	7,656	-3.0	80,524	76,79
Other materials, supplies and and intermediate products	116,229	115,427	116,072	+0.7	-0.6	-0.3	110,741	113,673	118,230	103,464	+7.0	1,364,953	1,288,41
Durable goods industries :													
Nondefense capital goods [3]	48,331	46,971	47,168	+2.9	-0.4	-2.7	57,470	45,533	44,892	52,302	+9.9	556,171	503,78
Excluding aircraft and parts	41,201	40,034	40,706	+2.9	-1.7	-1.3	47,924	38,769	39,075	44,092	+8.7	473,891	439,09
Defense capital goods [4]	6,258	6,914	6,491	-9.5	+6.5	+5.3	7,119	7,114	6,279	7,422	-4.1	75,982	72,62.
Durables excluding capital goods	131,163	128,962	129,943	+1.7	-0.8	-0.7	122,357	129,555	137,126	111,042	+10.2	1,529,572	1,429,59
Miscellaneous series :													
Producers' durable equipment	120,172	116,988	118,243	+2.7	-1.1	-0.9	122,773	116,562	120,945	110,216	+11.4	1,386,315	1,287,31
Household durable goods	10,347	10,089	9,874	+2.6	+2.2	-2.2	9,842	10,748	10,949	8,785	+12.0	117,183	108,87.
Information technology industries	22,955	21,920	22,652	+4.7	-3.2	-1.5	29,634	21,563	21,126	26,737	+10.8	264,997	241,41
Health care equipment and products	11,408	11,069	11,209	+3.1	-1.2	-0.7	12,223	10,891	11,314	11,491	+6.4	132,692	125,29.
NEW ORDERS													
All manufacturing industries	336,203	344,833	336,631	-2.5	+2.4	+0.1	331,239	342,769	348,981	312,874	+5.9	3,971,553	3,770,36
Market categories :													
Automotive equipment	15,016	14,655	15,020	+2.5	-2.4	+1.9	13,090	14,964	16,579	11,633	+12.5	173,655	166,30
Home goods and apparel	20,098	20,255	19,511	-0.8	+3.8	-2.1	17,282	20,623	21,557	15,844	+9.1	231,193	219,06.
Consumer staples	69,859	69,365	69,467	+0.7	-0.1	+0.5	70,072	70,617	71,877	68,655	+2.1	829,034	802,36
Machinery and equipment	60,119	72,127	64,156	-16.6	+12.4	+3.4	66,027	71,121	64,434	60,611	+8.9	732,383	674,13
Business supplies	26,373	25,790	26,142	+2.3	-1.3	+0.9	25,844	26,218	26,786	24,282	+6.4	307,231	293,76
Construction materials and supplies	21,053	20,663	21,176	+1.9	-2.4	0.0	19,152	20,148	22,258	18,500	+3.5	250,589	235,77
Defense products	6,884	6,363	5,239	+8.2	+21.5	-9.9	10,079	6,553	5,030	12,192	-17.3	72,942	84,21
Other materials, supplies and and intermediate products	116,801	115,615	115,920	+1.0	-0.3	-1.4	109,693	112,525	120,460	101,157	+8.4	1,374,526	1,294,738
Durable goods industries :													
Nondefense capital goods [3]	45,996	58,728	49,930	-21.7	+17.6	+2.7	54,290	57,663	48,604	50,705	+7.1	571,061	526,951
Excluding aircraft and parts	41,213	40,498	41,618	+1.8	-2.7	-2.2	47,091	39,606	40,937	41,370	+13.8	481,518	439,222
Defense capital goods [4]	6,609	6,072	4,725	+8.8	+28.5	-13.3	9,898	6,225	4,469	11,946	-17.1	68,360	79,998
Durables excluding capital goods	131,933	129,941	131,373	+1.5	-1.1	-0.6	120,974	128,284	140,720	108,769	+11.2	1,544,873	1,432,609
Miscellaneous series :													
Producers' durable equipment	118,875	129,737	123,496	-8.4	+5.1	+3.0	119,724	128,761	126,941	108,888	+10.0	1,409,805	1,305,998
Household durable goods	10,386	10,574	9,971	-1.8	+6.0	-3.5	9,423	10,783	10,885	8,555	+10.1	118,634	108,715
Information technology industries	22,696	21,730	22,321	+4.4	-2.6	-2.5	28,818	21,544	21,049	24,934	+15.6	267,636	239,996
Health care equipment and products	11,522	11,213	11,294	+2.8	-0.7	+0.1	12,162	11,047	11,669	11,022	+10.3	133,544	125,407

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and er and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96
UNFILLED ORDERS											
l manufacturing industries	541,193	542,376	530,498	-0.2	+2.2	+0.5	535,289	537,311	527,504	512,219	+4.5
ket categories :											
utomotive equipment	2,439	2,418	2,459	+0.9	-1.7	+1.3	2,361	2,331	2,425	2,204	+7.1
ome goods and apparel	10,440	10,289	9,572	+1.5	+7.5	+3.0	9,023	9,442	9,403	7,506	+20.2
onsumer staples	2,165	2,134	2,285	+1.5	-6.6	-1.4	2,129	2,116	2,296	2,158	-1.3
lachinery and equipment	248,048	250,091	237,884	-0.8	+5.1	+1.6	246,903	250,054	237,766	228,572	+8.0
usiness supplies	6,783	6,905	6,998	-1.8	-1.3	+1.3	6,593	6,774	6,873	6,609	-0.2
onstruction materials and supplies	17,564	17,553	17,552	+0.1	0.0	+1.9	17,245	17,167	17,303	16,128	+6.9
efense products	99,162	98,966	99,916	+0.2	-1.0	-1.6	99,524	96,868	97,732	107,107	-7.1
ther materials, supplies and and intermediate products	154,592	154,020	153,832	+0.4	+0.1	-0.1	151,511	152,559	153,706	141,935	+6.7
able goods industries :											
ondefense capital goods [3]	264,955	267,290	255,533	-0.9	+4.6	+1.1	264,413	267,593	255,463	249,523	+6.0
Excluding aircraft and parts	101,944	101,932	101,468	0.0	+0.5	+0.9	101,402	102,235	101,398	93,775	+8.1
efense capital goods [4]	103,877	103,526	104,368	+0.3	-0.8	-1.7	104,056	101,277	102,166	111,678	-6.8
urables excluding capital goods	146,015	145,245	144,266	+0.5	+0.7	+1.0	141,674	143,057	144,328	126,373	+12.1
ellaneous series :											
oducers' durable equipment	288,796	290,093	277,344	-0.4	+4.6	+1.9	286,500	289,549	277,350	263,010	+8.9
ousehold durable goods	7,076	7,037	6,552	+0.6	+7.4	+1.5	6,251	6,670	6,635	4,800	+30.2
formation technology industries	37,942	38,201	38,391	-0.7	-0.5	-0.9	37,729	38,545	38,564	35,090	+7.5
ealth care equipment and products	8,320	8,206	8,062	+1.4	+1.8	+1.1	8,310	8,370	8,214	7,457	+11.4
TOTAL INVENTORIES											
manufacturing industries	453,738	454,182	452,139	-0.1	+0.5	+0.7	443,183	454,521	453,221	424,462	+4.4
ket categories :											
utomotive equipment	8,202	8,143	8,269	+0.7	-1.5	-2.7	7,837	8,142	8,298	7,757	+1.0
ome goods and apparel	32,747	32,773	32,873	-0.1	-0.3	+0.3	31,254	31,490	32,276	30,017	+4.1
onsumer staples	71,070	70,867	70,419	+0.3	+0.6	+1.3	70,758	72,301	72,463	67,145	+5.4
achinery and equipment	114,117	115,954	115,149	-1.6	+0.7	+1.7	109,388	117,360	115,615	102,411	+6.8
usiness supplies	27,337	27,267	27,104	+0.3	+0.6	+0.4	26,264	27,071	27,164	25,008	+5.0
onstruction materials and supplies	27,656	27,729	27,653	-0.3	+0.3	+0.1	27,110	27,355	27,317	26,260	+3.2
efense products	16,474	15,873	15,835	+3.8	+0.2	-1.2	15,879	15,811	15,983	15,441	+2.8
her materials, supplies and and intermediate products	156,135	155,576	154,837	+0.4	+0.5	+0.2	154,693	154,991	154,105	150,423	+2.8
ble goods industries :											
ondefense capital goods [3]	108,071	109,766	109,067	-1.5	+0.6	+1.7	103,437	111,264	109,676	96,822	+6.8
Excluding aircraft and parts	72,627	72,385	72,153	+0.3	+0.3	+0.5	69,433	73,089	72,468	66,583	+4.3
efense capital goods [4]	16,996	16,086	16,070	+5.7	+0.1	-1.4	16,236	16,034	16,256	15,641	+3.8
urables excluding capital goods	158,918	158,797	158,340	+0.1	+0.3	+0.1	156,287	157,949	157,741	151,474	+3.2
ellaneous series :											
oducers' durable equipment	183,109	185,056	184,188	-1.1	+0.5	+1.0	176,767	186,055	184,403	168,322	+5.0
ousehold durable goods	16,294	16,390	16,377	-0.6	+0.1	+0.4	15,651	15,976	16,196	15,182	+3.1
formation technology industries	34,965	34,977	34,831	0.0	+0.4	-0.3	33,070	35,492	35,133	32,202	+2.7
ealth care equipment and products	18,248	18,397	18,147	-0.8	+1.4	+2.2	17,803	18,508	18,272	16,337	+9.0

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Dec. 1996	Dec. 97/96
MATERIALS AND SUPPLIES											
All manufacturing industries	148,081	148,035	148,806	0.0	-0.5	+0.1	147,847	148,206	149,648	144,533	+2.3
Durable goods industries	86,899	87,127	87,261	-0.3	-0.2	+0.1	86,623	87,840	88,035	83,721	+3.5
Stone, clay, and glass products	2,981	2,959	2,927	+0.7	+1.1	+0.3	2,975	2,944	2,934	2,855	+4.2
Primary metals	8,030	7,983	8,087	+0.6	-1.3	+0.6	8,296	8,126	8,260	8,075	+2.7
Fabricated metal products	10,559	10,572	10,545	-0.1	+0.3	-0.6	10,730	10,478	10,460	10,455	+2.6
Industrial machinery and equipment	18,067	18,364	18,436	-1.6	-0.4	+0.3	17,596	18,645	18,580	17,365	+1.3
Electronic and other electrical equipment	13,879	13,796	13,636	+0.6	+1.2	-0.3	13,641	13,780	13,793	13,280	+2.7
Transportation equipment	14,564	14,573	14,846	-0.1	-1.8	-0.2	14,379	14,673	14,882	13,678	+5.1
Instruments and related products	8,543	8,607	8,548	-0.7	+0.7	+0.8	8,407	8,575	8,543	7,814	+7.6
Lumber, furniture and miscellaneous durable goods	10,276	10,273	10,236	0.0	+0.4	+0.4	10,599	10,619	10,583	10,199	+3.9
Nondurable goods industries	61,182	60,908	61,545	+0.4	-1.0	+0.1	61,224	60,366	61,613	60,812	+0.7
Food and kindred products	10,986	10,850	11,186	+1.3	-3.0	-0.8	11,166	11,108	11,608	11,616	-3.9
Tobacco products	5,119	5,228	5,294	-2.1	-1.2	+1.5	5,456	5,120	5,181	5,435	+0.4
Textile mill products	3,057	3,059	3,121	-0.1	-2.0	-1.5	3,006	2,976	3,026	3,034	-0.9
Paper and allied products	7,820	7,775	7,748	+0.6	+0.3	+0.1	7,885	7,749	7,772	7,964	-1.0
Chemicals and allied products	14,547	14,522	14,499	+0.2	+0.2	-0.6	14,444	14,438	14,450	13,806	+4.6
Petroleum and coal products	3,658	3,643	3,679	+0.4	-1.0	+2.1	3,522	3,510	3,708	3,511	+0.3
Rubber and plastics products	6,379	6,315	6,318	+1.0	0.0	+0.7	6,419	6,226	6,238	6,212	+3.3
Apparel, printing and publishing and leather goods	9,616	9,516	9,700	+1.1	-1.9	+0.7	9,326	9,239	9,630	9,234	+1.0
WORK IN PROCESS											
All manufacturing industries	146,311	146,009	144,027	+0.2	+1.4	+1.2	141,368	147,278	145,487	132,443	+6.7
Durable goods industries	116,575	116,590	115,099	0.0	+1.3	+1.0	112,409	117,305	115,573	106,526	+5.5
Stone, clay, and glass products	1,247	1,263	1,285	-1.3	-1.7	+0.3	1,156	1,167	1,207	1,177	-1.8
Primary metals	8,855	8,810	8,723	+0.5	+1.0	-0.4	8,749	8,642	8,622	8,828	-0.9
Fabricated metal products	8,106	8,176	8,080	-0.9	+1.2	-0.4	7,911	8,136	8,095	7,422	+6.6
Industrial machinery and equipment	23,792	23,184	22,937	+2.6	+1.1	+0.9	22,648	23,401	23,047	21,345	+6.1
Electronic and other electrical equipment	15,404	15,203	14,985	+1.3	+1.5	-0.5	14,940	15,246	15,038	14,492	+3.1
Transportation equipment	44,021	44,765	44,156	-1.7	+1.4	+2.6	42,446	45,567	44,617	38,809	+9.4
Instruments and related products	9,829	9,886	9,710	-0.6	+1.8	-1.3	9,396	9,937	9,714	9,627	-2.4
Lumber, furniture and miscellaneous durable goods	5,321	5,303	5,223	+0.3	+1.5	+0.6	5,163	5,209	5,233	4,826	+7.0
Nondurable goods industries	29,736	29,419	28,928	+1.1	+1.7	+2.0	28,959	29,973	29,914	25,917	+11.7
Food and kindred products	5,510	5,515	5,340	-0.1	+3.3	+1.9	5,821	6,086	6,139	5,159	+12.8
Tobacco products	131	99	111	+32.3	-10.8	-19.6	133	155	157	356	-62.6
Textile mill products	2,627	2,623	2,635	+0.2	-0.5	+2.3	2,517	2,615	2,639	2,429	+3.6
Paper and allied products	1,870	1,785	1,777	+4.8	+0.5	-0.3	1,861	1,719	1,720	1,683	+10.6
Chemicals and allied products	8,446	8,307	8,121	+1.7	+2.3	+5.7	8,268	8,284	8,118	6,672	+23.9
Petroleum and coal products	2,562	2,693	2,705	-4.9	-0.4	+0.8	2,395	2,706	2,737	2,589	-7.5
Rubber and plastics products	2,267	2,206	2,189	+2.8	+0.8	-5.0	2,236	2,241	2,216	2,046	+9.3
Apparel, printing and publishing and leather goods	6,323	6,191	6,050	+2.1	+2.3	+1.6	5,728	6,167	6,188	4,983	+15.0
FINISHED GOODS											
All manufacturing industries	159,346	160,138	159,306	-0.5	+0.5	+0.7	153,968	159,037	158,086	147,486	+4.4
Durable goods industries	80,511	80,932	81,117	-0.5	-0.2	+0.7	76,928	80,102	80,065	73,690	+4.4
Stone, clay, and glass products	4,536	4,523	4,418	+0.3	+2.4	-2.8	4,410	4,303	4,177	4,353	+1.3
Primary metals	8,219	8,163	8,065	+0.7	+1.2	+0.7	8,129	8,008	7,802	7,898	+2.9
Fabricated metal products	10,425	10,418	10,404	+0.1	+0.1	+2.5	9,923	10,065	10,059	9,063	+9.5
Industrial machinery and equipment	18,833	19,044	19,114	-1.1	-0.4	+0.7	18,191	19,165	18,919	17,394	+4.6
Electronic and other electrical equipment	11,221	11,303	11,427	-0.7	-1.1	+1.7	10,534	11,279	11,421	10,253	+2.7
Transportation equipment	8,981	9,292	9,501	-3.3	-2.2	-1.5	8,037	9,244	9,619	8,017	+0.2
Instruments and related products	6,721	6,667	6,642	+0.8	+0.4	+0.9	6,519	6,802	6,817	6,182	+5.5
Lumber, furniture and miscellaneous durable goods	11,575	11,522	11,546	+0.5	-0.2	+0.9	11,185	11,236	11,251	10,530	+6.2
Nondurable goods industries	78,835	79,206	78,189	-0.5	+1.3	+0.8	77,040	78,935	78,021	73,796	+4.4
Food and kindred products	19,414	19,299	18,987	+0.6	+1.6	+1.0	19,305	20,122	19,893	18,191	+6.1
Tobacco products	868	905	762	-4.1	+18.8	+7.2	957	1,132	933	870	+10.0
Textile mill products	4,562	4,563	4,558	0.0	+0.1	-0.1	4,272	4,449	4,450	4,128	+3.5
Paper and allied products	6,583	6,617	6,554	-0.5	+1.0	-0.3	6,401	6,517	6,383	6,379	+0.3
Chemicals and allied products	21,456	21,641	21,274	-0.9	+1.7	+1.6	21,433	21,407	20,884	20,555	+4.3
Petroleum and coal products	6,074	6,123	6,079	-0.8	+0.7	-1.4	5,757	6,158	6,091	5,744	+0.2
Rubber and plastics products	7,856	7,943	7,868	-1.1	+1.0	+1.6	7,661	7,649	7,542	7,291	+5.1
Apparel, printing and publishing and leather goods	12,022	12,115	12,107	-0.8	+0.1	+0.5	11,254	11,501	11,845	10,638	+5.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Sept. 1997	Dec. 1997[p]	Nov. 1997[r]	Oct. 1997	Sept. 1997
ll manufacturing industries	1.34	1.36	1.35	1.34	2.84	2.89	2.82	2.78
able goods industries	1.53	1.56	1.54	1.52	3.38	3.43	3.35	3.30
one, clay, and glass products	1.12	1.16	1.13	1.13	0.86	0.91	0.90	0.87
imary metals	1.64	1.63	1.60	1.59	2.24	2.22	2.16	2.15
bricated metal products	1.49	1.51	1.50	1.48	1.47	1.49	1.48	1.46
dustrial machinery and equipment	1.72	1.78	1.74	1.71	2.19	2.28	2.25	2.24
ectronic and other lectrical equipment	1.32	1.34	1.32	1.29	1.79	1.83	1.84	1.80
ansportation equipment	1.54	1.56	1.59	1.56	11.44	11.20	11.25	10.91
truments and related products	1.85	1.90	1.81	1.80	3.60	3.65	3.49	3.49
durable goods industries	1.12	1.13	1.12	1.12	0.68	0.70	0.70	0.70
od and kindred products	0.87	0.87	0.88	0.89	(X)	(X)	(X)	(X)
bacco products	1.87	1.81	1.81	1.80	(X)	(X)	(X)	(X)
xtile mill products	1.47	1.48	1.50	1.49	(NA)	(NA)	(NA)	(NA)
per and allied products	1.14	1.16	1.15	1.16	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.34	1.37	1.34	1.31	(X)	(X)	(X)	(X)
troleum and coal products	0.85	0.84	0.81	0.80	(X)	(X)	(X)	(X)
bber and plastics products	1.29	1.31	1.28	1.29	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1997	Dec.[2] 1992-1996	Dec. 1996-Nov. 1997	Dec.[1] 1997	Dec.[2] 1992-1996	Dec. 1996-Nov. 1997	Dec.[1] 1997	Dec.[2] 1992-1996	Dec. 1996-Nov. 1997	Dec.[1] 1997	Dec.[2] 1992-1996	Dec. 1996-Nov. 1997
manufacturing industries	(X)	0.2	0.2	(X)	0.3	0.2	(X)	0.2	0.1	(X)	0.1	0.1
ble goods industries	0.1	0.2	0.2	0.9	0.4	0.3	0.2	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.6	0.4	(X)	1.2	1.1	(X)	0.6	0.8	(X)	0.2	0.3
nary metals	-0.2	0.7	0.3	-0.4	1.1	0.7	-0.1	0.5	0.3	(X)	0.2	0.1
ricated metal products	(X)	0.6	0.2	(X)	0.5	0.6	(X)	0.5	0.3	(X)	0.3	0.1
ustrial machinery and equipment	0.0	0.5	0.5	-0.5	0.5	0.7	-0.4	0.1	0.2	(X)	0.1	0.1
ctronic and other ectrical equipment	0.0	0.4	0.7	2.4	0.5	1.1	0.0	0.2	0.6	(X)	0.2	0.1
nsportation equipment	0.0	0.5	0.3	0.9	1.4	1.0	0.2	0.3	0.1	(X)	0.6	0.2
truments and related products	(X)	0.5	0.5	(X)	1.5	1.4	(X)	0.2	0.3	(X)	0.3	0.2
lurable goods industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.4	0.2	(X)	0.1	0.1
d and kindred products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
acco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
tile mill products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
er and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
roleum and coal products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.5
bber and plastics products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
al goods industries :												
ndefense	-0.3	0.4	0.5	0.8	0.7	0.7	0.2	0.2	0.1	(X)	0.5	0.2
fense	0.5	1.4	0.8	2.8	7.6	2.6	0.2	0.4	0.2	(X)	0.5	0.2

X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the dble goods industries are shown in the advance report for the month.

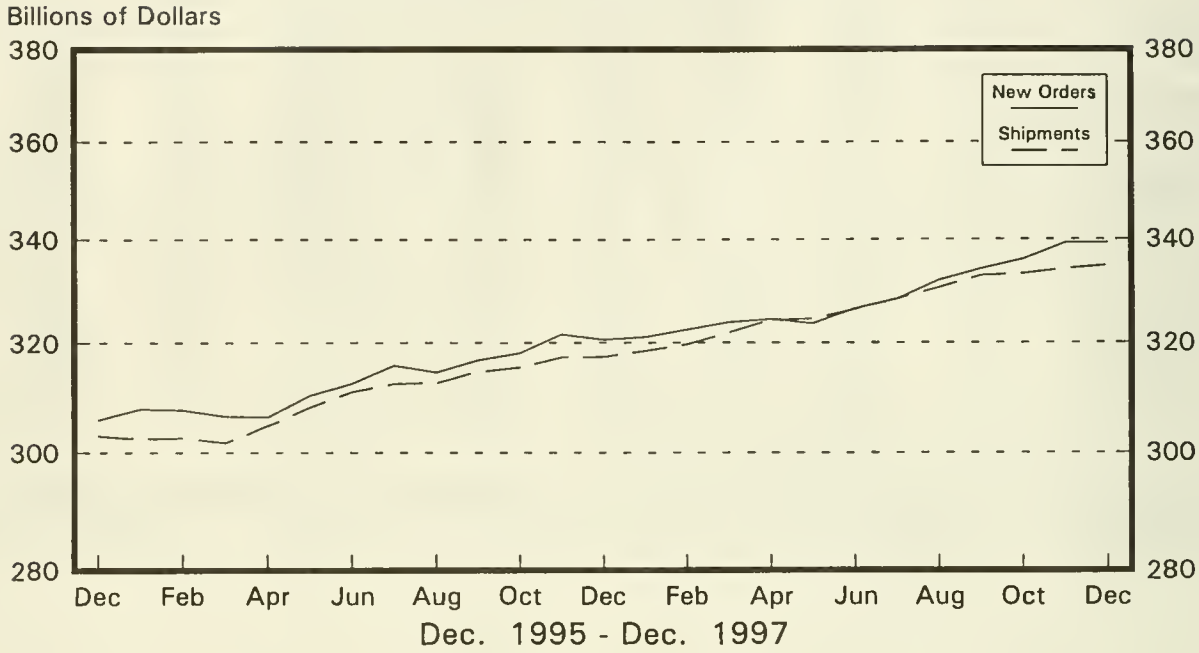
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

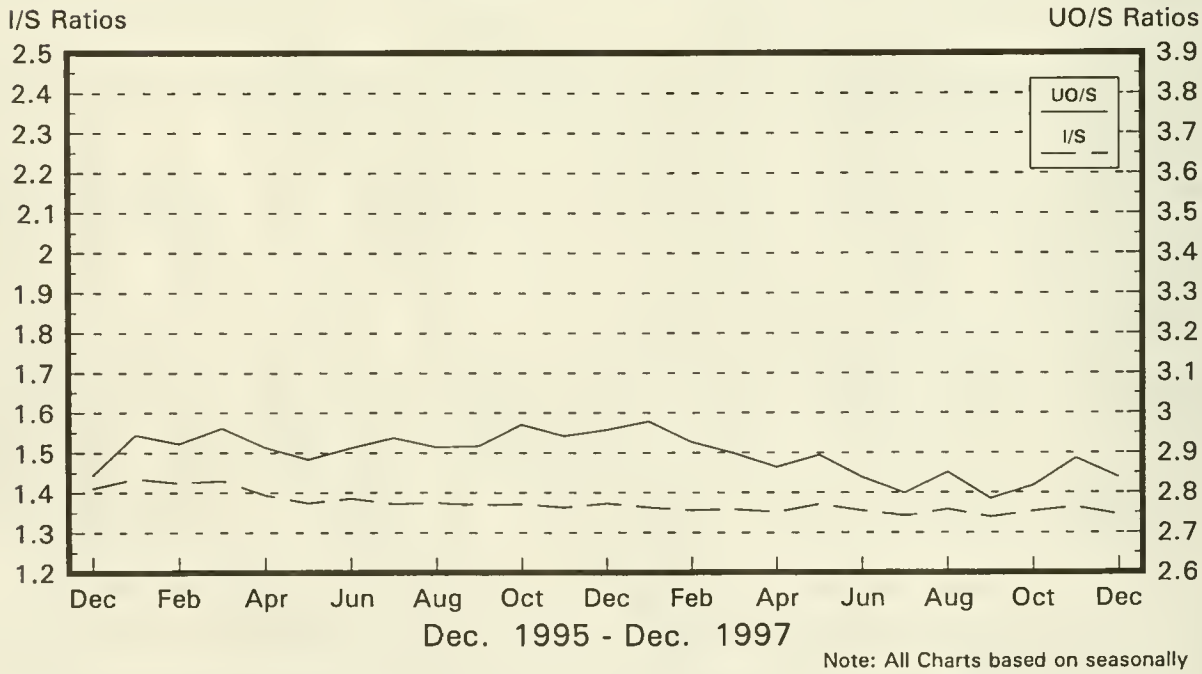
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

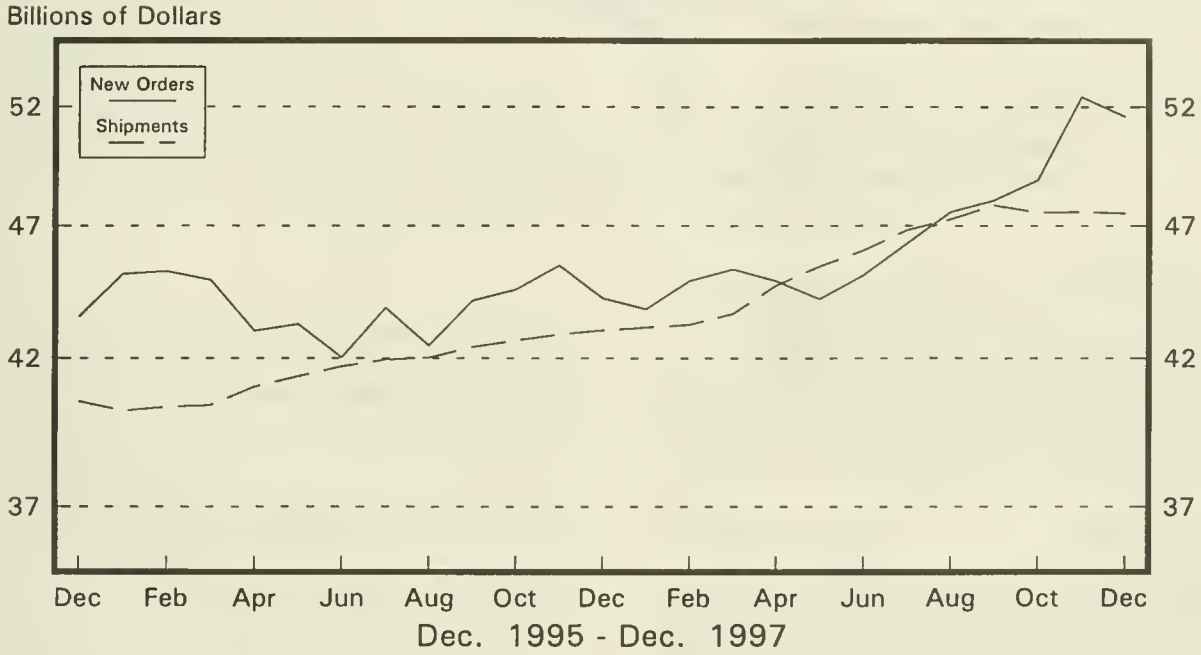
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

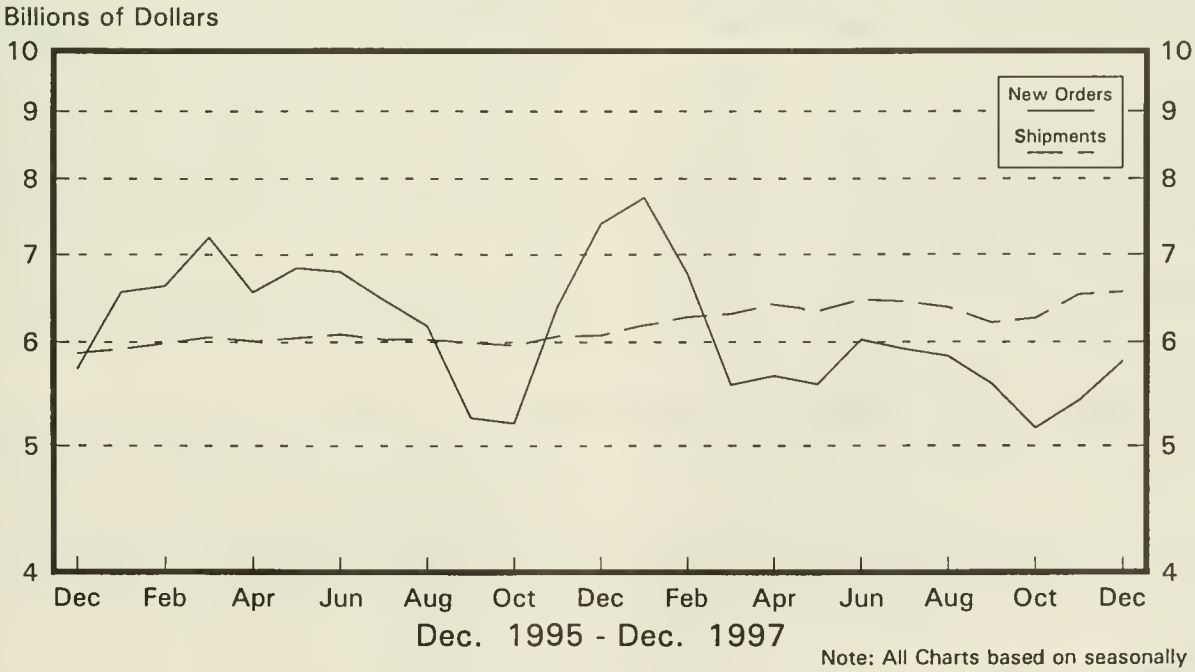
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
November 1997	Tues., Dec. 23	Tues, Jan 6, 1998
December 1997	Wed., Jan. 28	Thur., Feb 5
January 1998	Thur., Feb. 26	Thur., Mar. 5
February 1998	Wed., Mar. 25	Thur., Apr. 2
March 1998	Tues., Apr. 28	Wed., May 6
April 1998	Thur., May 28 (10 A.M.)	Thur., June 4
May 1998	Wed., June 24	Thur., July 2
June 1998	Wed., July 29	Thur., Aug. 6
July 1998	Wed., Aug. 26	Wed., Sep. 2
August 1998	Thur., Sept. 24 (10 A.M.)	Fri., Oct. 2
September 1998	Wed., Oct 28	Wed., Nov. 4
October 1998	Tues., Nov. 24 (10 A.M.)	Fri., Dec. 4
November 1998	Wed., Dec. 23 (10 A.M.)	Wed., Jan 6, 1999

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JREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

January 1998
M3-1-(98)-01
For Wire Transmissions 10:00 a.m. E.S.T. March 5, 1998

For Data - (301) 457-4673
For Questions - Kathy Menth or Lee Wentela
(301) 457-4804 or (301) 457-4852

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January increased $1.6 billion or 0.5 percent to $337.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.6 percent December decrease and is the seventh increase in the last eight months. Excluding transportation, new orders decreased 0.2 percent, the third decline in the last four months. New orders for January are 4.2 percent above January 1997.

Shipments decreased $3.3 billion or 1.0 percent to $333.4 billion, following a 1.1 percent December increase. This is the third decrease in the last four months. Shipments for January are 4.3 percent above January 1997.

Unfilled orders, up five of the last six months, increased $4.0 billion or 0.7 percent to $545.4 billion, following a 0.2 percent December decrease. The unfilled orders-to-shipments ratio was 2.87, up from 2.84 in December.

Inventories increased $0.5 billion or 0.1 percent to $454.1 billion. This follows a 0.1 percent December decrease and eleven consecutive monthly increases. The inventories-to-shipments ratio was 1.36, up from 1.35 in December.

New Orders

New orders for manufactured durable goods in January increased $3.0 billion or 1.6 percent to $187.4 billion, revised from the previously published 0.7 percent increase. This follows a 5.3 percent December decrease and is the sixth increase in the last eight months. Transportation equipment, up three of the last four months, had the largest increase, $2.2 billion or 5.1 percent to $45.0 billion; a large increase in aircraft and parts more than offset decreases in the other components. This follows a 22.2 percent December decrease. Electronic and other electrical equipment increased $1.1 billion or 3.7 percent to $31.7 billion. This follows a 3.5 percent December increase and three consecutive monthly declines. Instruments and related products, down for the first month since August, decreased $0.4 billion or 3.0 percent to $13.6 billion. This follows a 2.2 percent December increase.

New orders for nondurable goods, down two of the last three months, decreased $1.4 billion or 0.9 percent to $149.9 billion, following a 0.8 percent December increase. Petroleum and coal products and chemicals and allied products had the largest decreases.

Shipments

Shipments of durable goods in January, down three of the last four months, decreased $2.2 billion or 1.2 percent to $183.1 billion, revised from the previously published 1.4 percent decrease. This follows a 1.4 percent December increase. Transportation equipment, down three of the last four months, had the largest decrease, $1.1 billion or 2.5 percent to $42.4 billion; decreases in motor vehicles and parts and railroad equipment more than offset an increase in aircraft and parts. This follows a 1.0 percent December decrease. Electronic and other electrical equipment, down three of the last four months, decreased $0.8 billion or 2.6 percent to $29.8 billion. This follows a 1.5 percent December increase.

Shipments of nondurable goods, down two of the last three months, decreased $1.1 billion or 0.7 percent to $150.3 billion, following a 0.9 percent December increase. Decreases, led by petroleum and coal products and chemicals and allied products, more than offset increases led by food and kindred products and printing and publishing. Petroleum and coal products, down for the fifth consecutive month, decreased $0.7 billion or 5.1 percent to $13.5 billion.

Unfilled Orders

Unfilled orders for durable goods in January increased $4.3 billion or 0.8 percent to $519.5 billion, revised from the previously published 0.5 percent increase. This follows a 0.2 percent December decrease and is the fifth increase in the last six months. Transportation equipment, up three of the last four months, had the largest increase, $2.6 billion or 1.0 percent to $264.0 billion, due to aircraft and parts. This follows a 0.3 percent December decrease. Electronic and other electrical equipment increased $1.9 billion or 3.4 percent to $56.9 billion. This follows a slight December decrease and is the first increase since September. Fabricated metal products increased $0.1 billion or 0.5 percent to $27.2 billion, following a 0.2 percent December decrease. This is the twenty-fourth increase in the last twenty-five months. Primary metals, down for the first month since December 1996, decreased $0.3 billion or 0.9 percent to $33.9 billion, following a 0.3 percent December increase.

Inventories

Inventories of durable goods in January increased $1.0 billion or 0.3 percent to $284.9 billion, following a 0.3 percent December decrease. This is the third increase in the last four months and the eleventh in the last thirteen months. Transportation equipment increased $0.4 billion or 0.6 percent to $68.0 billion. This follows a 1.4 percent December decline and twenty-three consecutive monthly increases. Electronic and other electrical equipment, up for the fourth consecutive month, increased $0.3 billion or 0.7 percent to $40.8 billion, following a 0.5 percent December increase. Fabricated metal products, up fifteen of the last sixteen months, increased $0.2 billion or 0.8 percent to $29.3 billion. This follows a 0.2 percent December decrease.

Inventories of nondurable goods, down for the first month since January 1997, decreased $0.4 billion or 0.3 percent to $169.2 billion, following a 0.1 percent December increase. Petroleum and coal products had the largest decrease, $0.9 billion or 7.1 percent to $11.2 billion. This follows a 2.8 percent December decrease and is the third consecutive monthly decrease.

By stage of fabrication, January finished goods increased 0.5 percent in durables and decreased 0.8 percent in nondurables. Work in process increased slightly in durables and decreased 0.8 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 0.7 percent in nondurables.

(See Back Page for 1998 Release Dates)

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for February is scheduled for March 25, 1998 at 8:30 a.m. and the full report on April 2, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97	1998[p]	1997
All manufacturing industries	333,423	336,734	332,955	-1.0	+1.1	-0.3	299,989	333,515	332,962	289,557	+3.6	299,989	289,557
Manufacturing Industries													
with unfilled orders	190,036	190,397	187,961	-0.2	+1.3	-0.1	167,649	195,803	188,514	155,370	+7.9	167,649	155,370
without defense capital goods	326,890	330,454	326,041	-1.1	+1.4	-0.5	294,617	326,286	325,848	284,588	+3.5	294,617	284,588
Durable goods industries	183,148	185,337	182,847	-1.2	+1.4	-0.4	160,843	187,338	182,202	152,176	+5.7	160,843	152,176
With unfilled orders	151,211	151,888	150,237	-0.4	+1.1	-0.1	131,993	157,856	149,835	122,315	+7.9	131,993	122,315
Stone, clay, and glass products	7,832	7,812	7,563	+0.3	+3.3	-1.3	6,739	6,764	7,459	6,278	+7.3	6,739	6,278
Primary metals	15,324	15,261	15,337	+0.4	-0.5	-1.2	14,578	14,067	15,057	14,390	+1.3	14,578	14,390
Blast furnaces, steel mills	6,288	6,303	6,170	-0.2	+2.2	-0.2	6,143	5,798	5,946	6,090	+0.9	6,143	6,090
Iron and steel foundries	1,524	1,582	1,508	-3.7	+4.9	-3.4	1,419	1,331	1,473	1,354	+4.8	1,419	1,354
Nonferrous and other primary metals	7,512	7,376	7,659	+1.8	-3.7	-1.5	7,016	6,938	7,638	6,946	+1.0	7,016	6,946
Fabricated metal products	19,241	19,364	19,309	-0.6	+0.3	-0.4	17,531	18,001	19,093	16,861	+4.0	17,531	16,861
Industrial machinery and equipment	35,606	35,507	33,991	+0.3	+4.5	-2.2	30,282	38,409	32,355	27,007	+12.1	30,282	27,007
Engines and turbines	1,907	1,933	1,942	-1.3	-0.5	-3.2	1,570	2,468	1,892	1,458	+7.7	1,570	1,458
Farm and garden machinery	2,155	2,079	1,696	+3.7	+22.6	-15.5	1,935	1,580	1,371	1,696	+14.1	1,935	1,696
Construction, mining and material handling equipment	4,050	4,001	3,973	+1.2	+0.7	+0.5	3,665	3,922	3,775	3,199	+14.6	3,665	3,199
Metalworking machinery	3,480	3,450	3,409	+0.9	+1.2	-0.7	2,690	3,611	3,711	2,506	+7.3	2,690	2,506
Computer and office equipment	9,681	9,622	8,817	+0.6	+9.1	-4.4	7,464	13,021	8,357	6,571	+13.6	7,464	6,571
Electronic and other electrical equipment	29,823	30,605	30,164	-2.6	+1.5	-0.3	25,379	34,038	31,165	23,210	+9.3	25,379	23,210
Electrical transmission and distribution equipment and industrial apparatus	3,501	3,404	3,352	+2.8	+1.6	-2.4	3,040	3,338	3,253	2,793	+8.8	3,040	2,793
Household appliances	2,168	2,262	2,154	-4.2	+5.0	-0.6	1,765	2,167	2,086	1,601	+10.2	1,765	1,601
Electric lighting and wiring equipment	2,186	2,220	2,178	-1.5	+1.9	0.0	1,930	2,324	2,281	1,829	+5.5	1,930	1,829
Household audio and video equipment	1,382	1,437	1,370	-3.8	+4.9	+6.7	1,089	1,393	1,719	1,013	+7.5	1,089	1,013
Communications equipment	6,657	6,672	6,467	-0.2	+3.2	-4.6	4,926	9,590	6,484	4,155	+18.6	4,926	4,155
Electronic components	11,844	12,577	12,433	-5.8	+1.2	+2.0	10,790	13,231	12,705	9,832	+9.7	10,790	9,832
Transportation equipment	42,382	43,447	43,882	-2.5	-1.0	+1.6	37,471	43,123	44,432	37,118	+1.0	37,471	37,118
Motor vehicles and parts	28,331	29,872	29,780	-5.2	+0.3	-2.7	26,464	26,449	30,401	28,017	-5.5	26,464	28,017
Aircraft, missiles, space vehicles, and parts.	11,550	10,742	11,208	+7.5	-4.2	+13.4	8,905	13,834	11,175	7,095	+25.5	8,905	7,095
Shipbuilding and tanks	802	829	901	-3.3	-8.0	-2.0	606	1,038	876	598	+1.3	606	598
Instruments and related products	13,486	13,625	13,261	-1.0	+2.7	-3.4	11,943	14,550	13,299	11,000	+8.6	11,943	11,000
Search and navigation equipment	2,770	2,686	2,596	+3.1	+3.5	-12.5	2,441	2,850	2,633	2,180	+12.0	2,441	2,180
Measuring and controlling devices	3,926	3,939	3,984	-0.3	-1.1	-1.5	3,490	4,207	3,977	3,203	+9.0	3,490	3,203
Medical instruments and supplies	4,474	4,437	4,290	+0.8	+3.4	-1.2	4,058	4,888	4,194	3,605	+12.6	4,058	3,605
Photographic goods	1,843	2,075	1,939	-11.2	+7.0	+1.5	1,522	2,131	2,051	1,600	-4.9	1,522	1,600
All other durable goods	19,454	19,716	19,340	-1.3	+1.9	+1.1	16,920	18,386	19,342	16,312	+3.7	16,920	16,312
Nondurable goods industries	150,275	151,397	150,108	-0.7	+0.9	-0.2	139,146	146,177	150,760	137,381	+1.3	139,146	137,381
With unfilled orders	38,825	38,509	37,724	+0.8	+2.1	-0.4	35,656	37,947	38,679	33,055	+7.9	35,656	33,055
Food and kindred products	41,450	41,172	40,784	+0.7	+1.0	+1.4	38,534	40,656	41,898	37,003	+4.1	38,534	37,003
Meat products	8,843	8,832	8,801	+0.1	+0.4	+1.6	8,118	8,740	8,991	8,084	+0.4	8,118	8,084
Dairy products	5,314	5,352	5,108	-0.7	+4.8	+1.1	5,192	5,322	5,335	4,897	+6.0	5,192	4,897
Beverages	6,275	6,162	6,126	+1.8	+0.6	-1.5	5,359	5,748	5,861	4,816	+11.3	5,359	4,816
All other foods, except fats and oils	18,905	18,446	18,572	+2.5	-0.7	+2.2	17,752	18,466	19,534	17,190	+3.3	17,752	17,190
Tobacco products	3,129	3,217	3,449	-2.7	-6.7	+1.5	2,910	3,148	3,627	3,049	-4.6	2,910	3,049
Textile mill products	7,055	6,887	6,912	+2.4	-0.4	+0.8	6,061	6,240	6,966	5,773	+5.0	6,061	5,773
Broadwoven fabrics and other textiles	4,255	4,211	4,204	+1.0	+0.2	-1.7	3,753	3,975	4,092	3,648	+2.9	3,753	3,648
Paper and allied products	14,229	14,380	13,907	-1.1	+3.4	-0.7	13,625	13,963	13,739	12,769	+6.7	13,625	12,769
Pulp, paper, and paperboard mill products	5,593	5,600	5,560	-0.1	+0.7	-0.2	5,319	5,523	5,503	4,983	+6.7	5,319	4,983
Paperboard containers and boxes	3,595	3,744	3,509	-4.0	+6.7	+2.7	3,462	3,510	3,443	3,183	+8.8	3,462	3,183
Miscellaneous converted paper products	5,041	5,036	4,838	+0.1	+4.1	-3.6	4,844	4,930	4,793	4,603	+5.2	4,844	4,603
Chemicals and allied products	32,493	33,034	32,535	-1.6	+1.5	-0.9	30,854	32,087	31,042	31,008	-0.5	30,854	31,008
Industrial chemicals	15,847	16,059	16,078	-1.3	-0.1	+0.2	15,007	15,149	15,483	14,960	+0.3	15,007	14,960
Drugs, soaps, and toiletries	12,526	12,777	12,455	-2.0	+2.6	-1.3	12,238	13,542	12,310	12,670	-3.4	12,238	12,670
Petroleum and coal products	13,477	14,205	14,786	-5.1	-3.9	-3.6	12,420	14,025	14,869	14,991	-17.2	12,420	14,991
Rubber and plastics products	12,624	13,010	12,596	-3.0	+3.3	-1.3	11,701	11,587	12,099	11,404	+2.6	11,701	11,404
All other nondurable goods	25,818	25,492	25,139	+1.3	+1.4	+0.4	23,041	24,471	26,520	21,384	+7.7	23,041	21,384

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97	1998[p]	1997
All manufacturing industries	337,395	335,807	344,833	+0.5	-2.6	+2.4	311,819	331,552	342,769	300,713	+3.7	311,819	300,713
anufacturing industries													
ith unfilled orders	194,008	189,470	199,839	+2.4	-5.2	+4.7	179,479	193,840	198,321	166,526	+7.8	179,479	166,526
ithout defense capital goods	330,101	328,876	338,761	+0.4	-2.9	+2.1	304,668	321,615	336,544	295,400	+3.1	304,668	295,400
rable goods industries	187,446	184,456	194,741	+1.6	-5.3	+4.7	172,687	185,598	192,172	163,225	+5.8	172,687	163,225
ith unfilled orders	155,509	151,007	162,131	+3.0	-6.9	+6.1	143,837	156,116	159,805	133,364	+7.9	143,837	133,364
ne, clay, and glass products	7,829	7,789	7,506	+0.5	+3.8	-4.4	6,938	6,767	7,330	6,448	+7.6	6,938	6,448
mary metals	15,027	15,362	15,915	-2.2	-3.5	+1.8	15,648	14,936	15,396	15,881	-1.5	15,648	15,881
last furnaces, steel mills	5,988	6,656	6,713	-10.0	-0.8	+2.3	6,763	6,394	6,402	6,911	-2.1	6,763	6,911
ron and steel foundries	1,538	1,685	1,772	-8.7	-4.9	+11.4	1,548	1,556	1,695	1,532	+1.0	1,548	1,532
onferrous and other primary metals	7,501	7,021	7,430	+6.8	-5.5	-0.7	7,337	6,986	7,299	7,438	-1.4	7,337	7,438
bricated metal products	19,378	19,321	19,425	+0.3	-0.5	-1.4	17,867	18,005	18,968	17,251	+3.6	17,867	17,251
ustrial machinery and equipment	35,436	34,635	34,027	+2.3	+1.8	-1.6	31,146	36,882	33,108	28,358	+9.8	31,146	28,358
ngines and turbines	1,939	1,693	2,046	+14.5	-17.3	-4.4	1,495	2,158	2,198	1,297	+15.3	1,495	1,297
onstruction, mining and material handling equipment	4,074	4,294	4,237	-5.1	+1.3	-1.4	4,135	4,321	3,967	3,734	+10.7	4,135	3,734
etalworking machinery	3,470	3,018	3,316	+15.0	-9.0	-2.2	2,680	3,179	3,618	2,689	-0.3	2,680	2,689
omputer and office equipment	9,710	9,471	8,659	+2.5	+9.4	-2.5	7,445	12,293	8,399	6,384	+16.6	7,445	6,384
ctronic and other ectrical equipment	31,700	30,583	29,548	+3.7	+3.5	-1.9	30,211	31,719	29,079	26,972	+12.0	30,211	26,972
lectrical transmission and distribution equipment and industrial apparatus	3,388	3,595	3,403	-5.8	+5.6	+9.5	3,081	3,444	3,272	3,037	+1.4	3,081	3,037
lectric lighting and wiring equipment	2,192	2,264	2,146	-3.2	+5.5	-9.5	1,936	2,368	2,249	1,938	-0.1	1,936	1,938
ommunications equipment	7,972	6,184	6,354	+28.9	-2.7	-2.9	6,201	9,130	6,319	4,346	+42.7	6,201	4,346
lectronic components	12,700	12,784	12,190	-0.7	+4.9	-1.6	13,904	11,356	11,372	12,189	+14.1	13,904	12,189
nsportation equipment	44,970	42,776	54,987	+5.1	-22.2	+21.8	41,538	43,892	55,392	40,319	+3.0	41,538	40,319
Aircraft, missiles, space vehicles, and parts	14,321	8,330	21,692	+71.9	-61.6	+102.5	12,795	12,730	21,668	9,860	+29.8	12,795	9,860
hipbuilding and tanks	594	1,885	983	-68.5	+91.8	+110.9	486	2,043	851	601	-19.1	486	601
ruments and related products	13,620	14,046	13,748	-3.0	+2.2	+1.3	12,151	15,559	13,664	11,614	+4.6	12,151	11,614
earch and navigation equipment	2,667	2,815	2,713	-5.3	+3.8	+0.9	2,277	3,700	2,746	1,969	+15.6	2,277	1,969
easuring and controlling devices	4,072	4,159	3,968	-2.1	+4.8	-8.5	3,636	4,427	3,961	3,446	+5.5	3,636	3,446
edical instruments and supplies	4,530	4,584	4,433	-1.2	+3.4	+0.1	4,344	4,876	4,350	4,192	+3.6	4,344	4,192
other durable goods	19,486	19,944	19,585	-2.3	+1.8	+0.9	17,188	17,838	19,235	16,382	+4.9	17,188	16,382
durable goods industries	149,949	151,351	150,092	-0.9	+0.8	-0.3	139,132	145,954	150,597	137,488	+1.2	139,132	137,488
ith unfilled orders	38,499	38,463	37,708	+0.1	+2.0	-0.8	35,642	37,724	38,516	33,162	+7.5	35,642	33,162

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97
All manufacturing industries	545,421	541,449	542,376	+0.7	-0.2	+2.2	547,178	535,348	537,311	523,375	+4.5
Manufacturing industries without defense capital goods	440,483	437,272	438,850	+0.7	-0.4	+3.0	441,414	431,363	436,034	411,353	+7.3
Durable goods industries	519,478	515,180	516,061	+0.8	-0.2	+2.4	522,031	510,187	511,927	498,623	+4.7
Stone, clay, and glass products	6,505	6,508	6,531	0.0	-0.4	-0.9	6,444	6,245	6,242	6,747	-4.5
Primary metals	33,914	34,211	34,110	-0.9	+0.3	+1.7	34,407	33,337	32,468	29,929	+15.0
Blast furnaces, steel mills	14,172	14,472	14,119	-2.1	+2.5	+4.0	14,512	13,892	13,296	12,356	+17.4
Iron and steel foundries	5,563	5,549	5,446	+0.3	+1.9	+5.1	5,574	5,445	5,220	4,470	+24.7
Nonferrous and other primary metals	14,179	14,190	14,545	-0.1	-2.4	-1.6	14,321	14,000	13,952	13,103	+9.3
Fabricated metal products	27,186	27,049	27,092	+0.5	-0.2	+0.4	27,054	26,718	26,714	24,620	+9.9
Industrial machinery and equipment	72,670	72,840	73,712	-0.2	-1.2	0.0	73,772	72,908	74,435	73,515	+0.3
Engines and turbines	11,743	11,711	11,951	+0.3	-2.0	+0.9	12,209	12,284	12,594	12,540	-2.6
Construction, mining and material handling equipment	10,583	10,559	10,266	+0.2	+2.9	+2.6	10,848	10,378	9,979	9,164	+18.4
Metalworking machinery	7,135	7,145	7,577	-0.1	-5.7	-1.2	7,135	7,145	7,577	8,393	-15.0
Computer and office equipment	7,971	7,942	8,093	+0.4	-1.9	-1.9	7,708	7,727	8,455	9,594	-19.7
Electronic and other electrical equipment	56,914	55,037	55,059	+3.4	0.0	-1.1	57,693	52,861	55,180	51,624	+11.8
Electrical transmission and distribution equipment and industrial apparatus	6,281	6,394	6,203	-1.8	+3.1	+0.8	6,262	6,221	6,115	6,546	-4.3
Electric lighting and wiring equipment	4,829	4,823	4,779	+0.1	+0.9	-0.7	4,829	4,823	4,779	4,523	+6.8
Communications equipment	15,593	14,278	14,766	+9.2	-3.3	-0.8	15,576	14,301	14,761	12,591	+23.7
Electronic components	24,161	23,305	23,098	+3.7	+0.9	-1.0	24,813	21,699	23,574	22,118	+12.2
Transportation equipment	263,958	261,370	262,041	+1.0	-0.3	+4.4	264,792	260,725	259,956	258,936	+2.3
Aircraft, missiles, space vehicles, and parts	228,804	226,033	228,445	+1.2	-1.1	+4.8	229,482	225,592	226,696	225,674	+1.7
Shipbuilding and tanks	18,328	18,536	17,480	-1.1	+6.0	+0.5	18,300	18,420	17,415	19,456	-5.9
Instruments and related products	48,977	48,843	48,422	+0.3	+0.9	+1.0	49,152	48,944	47,935	46,426	+5.9
Search and navigation equipment	28,475	28,578	28,449	-0.4	+0.5	+0.4	28,640	28,804	27,954	27,406	+4.5
Measuring and controlling devices	10,290	10,144	9,924	+1.4	+2.2	-0.2	10,290	10,144	9,924	9,990	+3.0
Medical instruments and supplies	8,364	8,308	8,161	+0.7	+1.8	+1.8	8,598	8,312	8,324	8,013	+7.3
All other durable goods	9,354	9,322	9,094	+0.3	+2.5	+2.8	8,717	8,449	8,997	6,826	+27.7
Nondurable goods industries	25,943	26,269	26,315	-1.2	-0.2	-0.1	25,147	25,161	25,384	24,752	+1.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97
All manufacturing industries	454,124	453,591	454,182	+0.1	-0.1	+0.5	452,352	442,992	454,521	434,371	+4.1
Ianufacturing industries											
vith unfilled orders	301,730	300,724	301,164	+0.3	-0.1	+0.5	299,189	291,241	301,051	286,566	+4.4
vithout defense capital goods	436,959	436,509	438,096	+0.1	-0.4	+0.5	435,360	426,798	438,487	417,936	+4.2
urable goods industries	284,881	283,912	284,649	+0.3	-0.3	+0.4	283,455	275,777	285,247	271,566	+4.4
With unfilled orders	261,558	260,580	261,351	+0.4	-0.3	+0.5	259,604	252,591	261,795	248,424	+4.5
tone, clay, and glass products	8,776	8,759	8,745	+0.2	+0.2	+1.3	8,775	8,531	8,414	8,676	+1.1
rimary metals	25,133	25,107	24,956	+0.1	+0.6	+0.3	25,237	25,195	24,776	24,632	+2.5
Blast furnaces, steel mills	12,095	12,083	12,060	+0.1	+0.2	0.0	12,313	12,364	12,173	12,321	-0.1
Iron and steel foundries	1,667	1,644	1,641	+1.4	+0.2	+0.1	1,644	1,603	1,600	1,640	+0.2
Nonferrous and other primary metals	11,371	11,380	11,255	-0.1	+1.1	+0.7	11,280	11,228	11,003	10,671	+5.7
ıbricated metal products	29,327	29,106	29,166	+0.8	-0.2	+0.5	29,188	28,593	28,679	27,542	+6.0
dustrial machinery and equipment	60,521	60,667	60,592	-0.2	+0.1	+0.2	60,247	58,472	61,211	58,320	+3.3
Engines and turbines	4,094	3,926	3,861	+4.3	+1.7	+1.5	3,943	3,683	4,108	3,506	+12.5
Farm and garden machinery	3,387	3,342	3,262	+1.3	+2.5	-1.5	3,719	3,481	3,251	3,346	+11.1
Construction, mining and material handling equipment	8,243	8,195	8,072	+0.6	+1.5	+1.3	8,259	8,007	8,035	7,606	+8.6
Metalworking machinery	7,326	7,302	7,328	+0.3	-0.4	+0.5	7,143	6,826	7,246	6,950	+2.8
Computer and office equipment	11,017	11,435	11,658	-3.7	-1.9	-0.9	10,797	10,607	12,092	11,582	-6.8
ectronic and other ·lectrical equipment	40,766	40,493	40,302	+0.7	+0.5	+0.6	40,385	39,087	40,305	38,783	+4.1
Electrical transmission and distribution equipment and industrial apparatus	5,304	5,276	5,227	+0.5	+0.9	-0.3	5,241	5,119	5,316	5,105	+2.7
Household appliances	2,544	2,499	2,644	+1.8	-5.5	-1.4	2,516	2,274	2,565	2,760	-8.8
Electric lighting and wiring equipment	3,426	3,413	3,422	+0.4	-0.3	+0.4	3,354	3,229	3,417	3,213	+4.4
Household audio and video equipment	1,411	1,435	1,499	-1.7	-4.3	-4.5	1,370	1,320	1,415	1,622	-15.5
Communications equipment	11,159	11,143	11,053	+0.1	+0.8	+1.7	11,089	10,659	11,100	10,235	+8.3
Electronic components	13,645	13,447	13,181	+1.5	+2.0	+1.6	13,659	13,369	13,315	12,565	+8.7
ınsportation equipment	68,042	67,657	68,630	+0.6	-1.4	+0.2	67,542	64,823	69,484	63,471	+6.4
Motor vehicles and parts	16,566	16,423	16,427	+0.9	0.0	-1.4	16,563	15,879	16,529	16,622	-0.4
Aircraft, missiles, space vehicles, and parts.	46,482	46,377	47,448	+0.2	-2.3	+0.8	45,996	44,215	48,218	42,114	+9.2
Shipbuilding and tanks	1,695	1,684	1,612	+0.7	+4.5	-0.7	1,713	1,644	1,594	1,725	-0.7
truments and related products	25,176	25,023	25,160	+0.6	-0.5	+1.0	24,652	24,229	25,314	24,060	+2.5
Search and navigation equipment	6,226	6,235	6,086	-0.1	+2.4	+0.8	6,090	6,080	6,054	6,018	+1.2
Measuring and controlling devices	7,913	7,852	7,882	+0.8	-0.4	+0.8	7,802	7,621	7,915	7,630	+2.3
Medical instruments and supplies	7,959	7,882	8,168	+1.0	-3.5	+1.6	7,856	7,687	8,279	7,636	+2.9
Photographic goods	2,389	2,371	2,343	+0.8	+1.2	+0.4	2,227	2,159	2,379	2,160	+3.1
other durable goods	27,140	27,100	27,098	+0.1	0.0	+0.3	27,429	26,847	27,064	26,082	+5.2
ndurable goods industries	169,243	169,679	169,533	-0.3	+0.1	+0.5	168,897	167,215	169,274	162,805	+3.7
With unfilled orders	40,172	40,144	39,813	+0.1	+0.8	+0.2	39,585	38,650	39,256	38,142	+3.8
od and kindred products	35,967	35,894	35,664	+0.2	+0.6	+0.4	36,307	36,224	37,316	34,817	+4.3
Meat products	3,882	3,864	3,866	+0.5	-0.1	+1.2	3,800	3,664	3,853	3,625	+4.8
Dairy products	3,431	3,293	3,264	+4.2	+0.9	+2.4	3,362	3,119	3,195	2,875	+16.9
Beverages	7,242	7,185	7,187	+0.8	0.0	+0.8	7,235	7,100	7,337	6,613	+9.4
All other foods, except fats and oils	19,468	19,621	19,352	-0.8	+1.4	0.0	19,779	20,338	20,740	19,476	+1.6
bacco products	6,353	6,174	6,232	+2.9	-0.9	+1.1	6,950	6,547	6,407	6,733	+3.2
xtile mill products	10,305	10,304	10,245	0.0	+0.6	-0.7	10,288	9,855	10,040	10,061	+2.3
Broadwoven fabrics and other textiles	6,499	6,492	6,398	+0.1	+1.5	-0.2	6,538	6,262	6,333	6,368	+2.7
ber and allied products	16,473	16,379	16,177	+0.6	+1.2	+0.6	16,566	16,247	15,985	16,127	+2.7
Pulp, paper, and paperboard mill products	6,744	6,694	6,630	+0.7	+1.0	+0.7	6,811	6,629	6,590	6,690	+1.8
Paperboard containers and boxes	4,070	4,026	3,937	+1.1	+2.3	+0.8	4,119	4,038	3,848	3,942	+4.5
Miscellaneous converted paper products	5,659	5,659	5,610	0.0	+0.9	+0.4	5,636	5,580	5,547	5,495	+2.6
emicals and allied products	44,503	44,400	44,470	+0.2	-0.2	+1.3	44,364	44,139	44,129	41,250	+7.5
ndustrial chemicals	19,997	20,069	20,213	-0.4	-0.7	+1.8	20,257	20,279	20,003	19,703	+2.8
Drugs, soaps, and toiletries	19,035	18,906	18,867	+0.7	+0.2	+1.2	18,388	18,447	18,872	16,100	+14.2
roleum and coal products	11,246	12,107	12,459	-7.1	-2.8	0.0	10,881	11,604	12,374	12,450	-12.6
bber and plastics products	16,478	16,442	16,464	+0.2	-0.1	+0.5	16,583	16,256	16,116	15,955	+3.9
other nondurable goods	27,918	27,979	27,822	-0.2	+0.6	-0.1	26,958	26,343	26,907	25,412	+6.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97	1998[p]	1997
SHIPMENTS													
All manufacturing industries	333,423	336,734	332,955	-1.0	+1.1	-0.3	299,989	333,515	332,962	289,557	+3.6	299,989	289,55
Market categories :													
Automotive equipment	13,920	14,908	14,696	-6.6	+1.4	-2.0	12,775	13,207	15,057	13,576	-5.9	12,775	13,57
Home goods and apparel	19,922	19,960	19,538	-0.2	+2.2	+1.6	16,644	17,720	20,584	15,561	+7.0	16,644	15,56
Consumer staples	69,125	69,538	69,516	-0.6	0.0	0.0	64,640	69,867	70,796	64,992	-0.5	64,640	64,99
Machinery and equipment	61,848	62,145	59,920	-0.5	+3.7	-0.9	51,763	69,297	58,833	46,692	+10.9	51,763	46,69
Business supplies	26,269	26,421	25,883	-0.6	+2.1	-0.6	24,074	25,915	26,318	23,030	+4.5	24,074	23,03
Construction materials and supplies	21,012	21,017	20,662	0.0	+1.7	-0.9	18,348	19,044	20,284	17,762	+3.3	18,348	17,76
Defense products	6,898	6,698	7,313	+3.0	-8.4	+6.0	5,769	7,532	7,417	5,348	+7.9	5,769	5,34
Other materials, supplies and and intermediate products	114,429	116,047	115,427	-1.4	+0.5	-0.6	105,976	110,933	113,673	102,596	+3.3	105,976	102,59
Durable goods industries :													
Nondefense capital goods [3]	48,940	48,400	46,971	+1.1	+3.0	-0.4	39,681	57,605	45,533	34,365	+15.5	39,681	34,36
Excluding aircraft and parts	41,102	41,280	40,034	-0.4	+3.1	-1.7	33,705	48,044	38,769	29,892	+12.8	33,705	29,89
Defense capital goods [4]	6,533	6,280	6,914	+4.0	-9.2	+6.5	5,372	7,229	7,114	4,969	+8.1	5,372	4,96
Durables excluding capital goods	127,675	130,657	128,962	-2.3	+1.3	-0.8	115,790	122,504	129,555	112,842	+2.6	115,790	112,84
Miscellaneous series :													
Producers' durable equipment	117,974	119,767	116,988	-1.5	+2.4	-1.1	102,624	122,983	116,562	96,721	+6.1	102,624	96,72
Household durable goods	10,172	10,430	10,089	-2.5	+3.4	+2.2	8,355	9,970	10,748	7,664	+9.0	8,355	7,66
Information technology industries	22,866	23,093	21,920	-1.0	+5.4	-3.2	18,058	29,714	21,563	16,018	+12.7	18,058	16,01
Health care equipment and products	11,289	11,388	11,069	-0.9	+2.9	-1.2	10,708	12,230	10,891	10,481	+2.2	10,708	10,48
NEW ORDERS													
All manufacturing industries	337,395	335,807	344,833	+0.5	-2.6	+2.4	311,819	331,552	342,769	300,713	+3.7	311,819	300,71
Market categories :													
Automotive equipment	13,896	14,915	14,655	-6.8	+1.8	-2.4	12,855	13,237	14,964	13,749	-6.5	12,855	13,74
Home goods and apparel	19,578	20,042	20,255	-2.3	-1.1	+3.8	17,041	17,289	20,623	15,975	+6.7	17,041	15,97
Consumer staples	69,126	69,562	69,365	-0.6	+0.3	-0.1	64,623	69,873	70,617	65,040	-0.6	64,623	65,04
Machinery and equipment	64,928	59,987	72,127	+8.2	-16.8	+12.4	56,255	66,142	71,121	50,813	+10.7	56,255	50,81
Business supplies	26,187	26,257	25,790	-0.3	+1.8	-1.3	24,040	25,698	26,218	23,061	+4.2	24,040	23,06
Construction materials and supplies	21,028	21,097	20,663	-0.3	+2.1	-2.4	18,594	19,184	20,148	18,123	+2.6	18,594	18,12
Defense products	7,691	7,202	6,363	+6.8	+13.2	+21.5	7,407	10,117	6,553	5,448	+36.0	7,407	5,44
Other materials, supplies and and intermediate products	114,961	116,745	115,615	-1.5	+1.0	-0.3	111,004	110,012	112,525	108,504	+2.3	111,004	108,50
Durable goods industries :													
Nondefense capital goods [3]	51,771	45,924	58,728	+12.7	-21.8	+17.6	43,845	54,425	57,663	38,311	+14.4	43,845	38,311
Excluding aircraft and parts	42,149	41,132	40,498	+2.5	+1.6	-2.7	36,085	47,192	39,606	31,738	+13.7	36,085	31,738
Defense capital goods [4]	7,294	6,931	6,072	+5.2	+14.1	+28.5	7,151	9,937	6,225	5,313	+34.6	7,151	5,31
Durables excluding capital goods	128,381	131,601	129,941	-2.4	+1.3	-1.1	121,691	121,236	128,284	119,601	+1.7	121,691	119,601
Miscellaneous series :													
Producers' durable equipment	120,890	118,290	129,737	+2.2	-8.8	+5.1	108,368	119,961	128,761	102,510	+5.7	108,368	102,51
Household durable goods	9,951	10,404	10,574	-4.4	-1.6	+6.0	8,642	9,527	10,783	8,050	+7.4	8,642	8,05
Information technology industries	24,407	22,852	21,730	+6.8	+5.2	-2.6	19,549	28,888	21,544	16,363	+19.5	19,549	16,36
Health care equipment and products	11,346	11,536	11,213	-1.6	+2.9	-0.7	10,994	12,215	11,047	11,068	-0.7	10,994	11,068

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97
UNFILLED ORDERS											
ll manufacturing industries	545,421	541,449	542,376	+0.7	-0.2	+2.2	547,178	535,348	537,311	523,375	+4.5
rket categories :											
utomotive equipment	2,401	2,425	2,418	-1.0	+0.3	-1.7	2,441	2,361	2,331	2,377	+2.7
lome goods and apparel	10,026	10,370	10,289	-3.3	+0.8	+7.5	9,407	9,011	9,442	7,920	+18.8
onsumer staples	2,159	2,158	2,134	0.0	+1.1	-6.6	2,106	2,122	2,116	2,206	-4.5
lachinery and equipment	251,012	247,932	250,091	+1.2	-0.9	+5.1	251,391	246,900	250,054	232,693	+8.0
usiness supplies	6,659	6,741	6,905	-1.2	-2.4	-1.3	6,523	6,557	6,774	6,641	-1.8
onstruction materials and supplies	17,650	17,633	17,553	+0.1	+0.5	0.0	17,553	17,307	17,167	16,489	+6.5
efense products	100,264	99,470	98,966	+0.8	+0.5	-1.0	101,090	99,453	96,868	107,207	-5.7
ther materials, supplies and and intermediate products	155,250	154,720	154,020	+0.3	+0.5	+0.1	156,667	151,637	152,559	147,842	+6.0
able goods industries :											
ondefense capital goods [3]	267,645	264,814	267,290	+1.1	-0.9	+4.6	268,577	264,413	267,593	253,469	+6.0
Excluding aircraft and parts	102,831	101,784	101,932	+1.0	-0.1	+0.5	103,763	101,383	102,235	95,621	+8.5
efense capital goods [4]	104,938	104,177	103,526	+0.7	+0.6	-0.8	105,764	103,985	101,277	112,022	-5.6
urables excluding capital goods	146,895	146,189	145,245	+0.5	+0.6	+0.7	147,690	141,789	143,057	133,132	+10.9
cellaneous series :											
roducers' durable equipment	291,532	288,616	290,093	+1.0	-0.5	+4.6	292,271	286,527	289,549	268,799	+8.7
ousehold durable goods	6,790	7,011	7,037	-3.2	-0.4	+7.4	6,514	6,227	6,670	5,186	+25.6
nformation technology industries	39,501	37,960	38,201	+4.1	-0.6	-0.5	39,210	37,719	38,545	35,435	+10.7
ealth care equipment and products	8,410	8,353	8,206	+0.7	+1.8	+1.8	8,641	8,355	8,370	8,043	+7.4
TOTAL INVENTORIES											
l manufacturing industries	454,124	453,591	454,182	+0.1	-0.1	+0.5	452,352	442,992	454,521	434,371	+4.1
ket categories :											
utomotive equipment	8,258	8,201	8,143	+0.7	+0.7	-1.5	8,184	7,823	8,142	8,069	+1.4
ome goods and apparel	32,769	32,647	32,773	+0.4	-0.4	-0.3	32,408	31,128	31,490	31,198	+3.9
onsumer staples	70,719	70,942	70,867	-0.3	+0.1	+0.6	70,528	70,601	72,301	67,140	+5.0
lachinery and equipment	114,594	114,101	115,954	+0.4	-1.6	+0.7	113,519	109,415	117,360	106,985	+6.1
usiness supplies	27,090	27,321	27,267	-0.8	+0.2	+0.6	26,603	26,302	27,071	25,652	+3.7
onstruction materials and supplies	27,644	27,610	27,729	+0.1	-0.4	+0.3	27,637	27,080	27,355	26,848	+2.9
efense products	16,710	16,562	15,873	+0.9	+4.3	+0.2	16,617	15,838	15,811	16,173	+2.7
ther materials, supplies and and intermediate products	156,340	156,207	155,576	+0.1	+0.4	+0.5	156,856	154,805	154,991	152,306	+3.0
able goods industries :											
ondefense capital goods [3]	108,147	108,057	109,766	+0.1	-1.6	+0.6	106,965	103,501	111,264	101,063	+5.8
Excluding aircraft and parts	72,647	72,617	72,385	0.0	+0.3	+0.3	71,823	69,466	73,089	69,229	+3.7
efense capital goods [4]	17,165	17,082	16,086	+0.5	+6.2	+0.1	16,992	16,194	16,034	16,435	+3.4
urables excluding capital goods	159,569	158,773	158,797	+0.5	0.0	+0.3	159,498	156,082	157,949	154,068	+3.5
cellaneous series :											
roducers' durable equipment	184,073	183,033	185,056	+0.6	-1.1	+0.5	182,660	176,651	186,055	174,478	+4.7
ousehold durable goods	16,291	16,160	16,390	+0.8	-1.4	+0.1	16,234	15,483	15,976	15,800	+2.7
nformation technology industries	34,578	34,915	34,977	-1.0	-0.2	+0.4	33,996	33,112	35,492	33,609	+1.2
ealth care equipment and products	18,281	18,134	18,397	+0.8	-1.4	+1.4	17,835	17,691	18,508	16,381	+8.9

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Jan. 1997	Jan. 98/97
MATERIALS AND SUPPLIES											
All manufacturing industries	149,919	148,913	148,035	+0.7	+0.6	-0.5	150,901	148,561	148,206	145,706	+3.6
Durable goods industries	87,897	87,306	87,127	+0.7	+0.2	-0.2	88,485	86,990	87,840	84,688	+4.5
Stone, clay, and glass products	2,951	2,971	2,959	-0.7	+0.4	+1.1	2,953	2,971	2,944	2,879	+2.6
Primary metals	7,917	8,026	7,983	-1.4	+0.5	-1.3	8,038	8,328	8,126	7,974	+0.8
Fabricated metal products	10,658	10,590	10,572	+0.6	+0.2	+0.3	10,783	10,766	10,478	10,483	+2.9
Industrial machinery and equipment	18,299	18,262	18,364	+0.2	-0.6	-0.4	18,169	17,833	18,645	17,688	+2.7
Electronic and other electrical equipment	14,153	13,916	13,796	+1.7	+0.9	+1.2	14,071	13,637	13,780	13,178	+6.8
Transportation equipment	14,981	14,652	14,573	+2.2	+0.5	-1.8	15,159	14,368	14,673	14,236	+6.5
Instruments and related products	8,571	8,540	8,607	+0.4	-0.8	+0.7	8,574	8,416	8,575	7,996	+7.2
Lumber, furniture and miscellaneous durable goods	10,367	10,349	10,273	+0.2	+0.7	+0.4	10,738	10,671	10,619	10,254	+4.7
Nondurable goods industries	62,022	61,607	60,908	+0.7	+1.1	-1.0	62,416	61,571	60,366	61,018	+2.3
Food and kindred products	11,177	11,116	10,850	+0.5	+2.5	-3.0	11,471	11,285	11,108	11,651	-1.5
Tobacco products	5,376	5,180	5,228	+3.8	-0.9	-1.2	5,773	5,457	5,120	5,448	+6.0
Textile mill products	3,049	3,064	3,059	-0.5	+0.2	-2.0	3,048	3,011	2,976	3,129	-2.6
Paper and allied products	7,978	7,895	7,775	+1.1	+1.5	+0.3	8,019	7,950	7,749	7,913	+1.3
Chemicals and allied products	14,681	14,535	14,522	+1.0	+0.1	+0.2	14,590	14,414	14,438	13,845	+5.4
Petroleum and coal products	3,448	3,601	3,643	-4.2	-1.2	-1.0	3,320	3,500	3,510	3,650	-9.0
Rubber and plastics products	6,431	6,384	6,315	+0.7	+1.1	0.0	6,484	6,420	6,226	6,283	+3.2
Apparel, printing and publishing and leather goods	9,882	9,832	9,516	+0.5	+3.3	-1.9	9,711	9,534	9,239	9,099	+6.7
WORK IN PROCESS											
All manufacturing industries	145,592	145,823	146,009	-0.2	-0.1	+1.4	144,189	140,881	147,278	136,355	+5.7
Durable goods industries	116,364	116,351	116,590	0.0	-0.2	+1.3	115,074	112,133	117,305	109,628	+5.0
Stone, clay, and glass products	1,291	1,251	1,263	+3.2	-1.0	-1.7	1,267	1,155	1,167	1,244	+1.8
Primary metals	8,973	8,873	8,810	+1.1	+0.7	+1.0	8,912	8,745	8,642	8,688	+2.6
Fabricated metal products	8,225	8,138	8,176	+1.1	-0.5	+1.2	8,132	7,945	8,136	7,614	+6.8
Industrial machinery and equipment	23,224	23,610	23,184	-1.6	+1.8	+1.1	22,873	22,511	23,401	22,092	+3.5
Electronic and other electrical equipment	15,628	15,434	15,203	+1.3	+1.5	+1.5	15,491	14,954	15,246	14,656	+5.7
Transportation equipment	44,035	44,024	44,765	0.0	-1.7	+1.4	43,720	42,422	45,567	40,474	+8.0
Instruments and related products	9,898	9,849	9,886	+0.5	-0.4	+1.8	9,644	9,401	9,937	9,888	-2.5
Lumber, furniture and miscellaneous durable goods	5,090	5,172	5,303	-1.6	-2.5	+1.5	5,035	5,000	5,209	4,972	+1.3
Nondurable goods industries	29,228	29,472	29,419	-0.8	+0.2	+1.7	29,115	28,748	29,973	26,727	+8.9
Food and kindred products	5,425	5,486	5,515	-1.1	-0.5	+3.3	5,660	5,816	6,086	5,150	+9.9
Tobacco products	136	126	99	+7.9	+27.3	-10.8	149	133	155	217	-31.3
Textile mill products	2,632	2,648	2,623	-0.6	+1.0	-0.5	2,636	2,544	2,615	2,510	+5.0
Paper and allied products	1,896	1,866	1,785	+1.6	+4.5	+0.5	1,921	1,851	1,719	1,697	+13.2
Chemicals and allied products	8,482	8,477	8,307	+0.1	+2.0	+2.3	8,396	8,322	8,284	6,806	+23.4
Petroleum and coal products	2,437	2,544	2,693	-4.2	-5.5	-0.4	2,393	2,381	2,706	2,820	-15.1
Rubber and plastics products	2,232	2,232	2,206	0.0	+1.2	+0.8	2,259	2,193	2,241	2,110	+7.1
Apparel, printing and publishing and leather goods	5,988	6,093	6,191	-1.7	-1.6	+2.3	5,701	5,508	6,167	5,417	+5.2
FINISHED GOODS											
All manufacturing industries	158,613	158,855	160,138	-0.2	-0.8	+0.5	157,262	153,550	159,037	152,310	+3.3
Durable goods industries	80,620	80,255	80,932	+0.5	-0.8	-0.2	79,896	76,654	80,102	77,250	+3.4
Stone, clay, and glass products	4,534	4,537	4,523	-0.1	+0.3	+2.4	4,555	4,405	4,303	4,553	0.0
Primary metals	8,243	8,208	8,163	+0.4	+0.6	+1.2	8,287	8,122	8,008	7,970	+4.0
Fabricated metal products	10,444	10,378	10,418	+0.6	-0.4	+0.1	10,273	9,882	10,065	9,445	+8.8
Industrial machinery and equipment	18,998	18,795	19,044	+1.1	-1.3	-0.4	19,205	18,128	19,165	18,540	+3.6
Electronic and other electrical equipment	10,985	11,143	11,303	-1.4	-1.4	-1.1	10,823	10,496	11,279	10,949	-1.2
Transportation equipment	9,026	8,981	9,292	+0.5	-3.3	-2.2	8,663	8,033	9,244	8,761	-1.1
Instruments and related products	6,707	6,634	6,667	+1.1	-0.5	+0.4	6,434	6,412	6,802	6,176	+4.2
Lumber, furniture and miscellaneous durable goods	11,683	11,579	11,522	+0.9	+0.5	-0.2	11,656	11,176	11,236	10,856	+7.4
Nondurable goods industries	77,993	78,600	79,206	-0.8	-0.8	+1.3	77,366	76,896	78,935	75,060	+3.1
Food and kindred products	19,365	19,292	19,299	+0.4	0.0	+1.6	19,176	19,123	20,122	18,016	+6.4
Tobacco products	841	868	905	-3.1	-4.1	+18.8	1,028	957	1,132	1,068	-3.7
Textile mill products	4,624	4,592	4,563	+0.7	+0.6	+0.1	4,604	4,300	4,449	4,422	+4.1
Paper and allied products	6,599	6,618	6,617	-0.3	0.0	+1.0	6,626	6,446	6,517	6,517	+1.7
Chemicals and allied products	21,340	21,388	21,641	-0.2	-1.2	+1.7	21,378	21,403	21,407	20,599	+3.8
Petroleum and coal products	5,361	5,962	6,123	-10.1	-2.6	+0.7	5,168	5,723	6,158	5,980	-13.6
Rubber and plastics products	7,815	7,826	7,943	-0.1	-1.5	+1.0	7,840	7,643	7,649	7,562	+3.7
Apparel, printing and publishing and leather goods	12,048	12,054	12,115	0.0	-0.5	+0.1	11,546	11,301	11,501	10,896	+6.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Oct. 1997	Jan. 1998[p]	Dec. 1997[r]	Nov. 1997	Oct. 1997
All manufacturing industries	1.36	1.35	1.36	1.35	2.87	2.84	2.89	2.82
rable goods industries	1.56	1.53	1.56	1.54	3.44	3.39	3.43	3.35
tone, clay, and glass products	1.12	1.12	1.16	1.13	0.87	0.88	0.91	0.90
rimary metals	1.64	1.65	1.63	1.60	2.21	2.24	2.22	2.16
abricated metal products	1.52	1.50	1.51	1.50	1.50	1.48	1.49	1.48
ıdustrial machinery and equipment	1.70	1.71	1.78	1.74	2.17	2.18	2.28	2.25
lectronic and other electrical equipment	1.37	1.32	1.34	1.32	1.91	1.80	1.83	1.84
ransportation equipment	1.61	1.56	1.56	1.59	11.40	11.51	11.20	11.25
ıstruments and related products	1.87	1.84	1.90	1.81	3.63	3.58	3.65	3.49
ıdurable goods industries	1.13	1.12	1.13	1.12	0.67	0.68	0.70	0.70
ood and kindred products	0.87	0.87	0.87	0.88	(X)	(X)	(X)	(X)
obacco products	2.03	1.92	1.81	1.81	(X)	(X)	(X)	(X)
extile mill products	1.46	1.50	1.48	1.50	(NA)	(NA)	(NA)	(NA)
ıper and allied products	1.16	1.14	1.16	1.15	(NA)	(NA)	(NA)	(NA)
ıemicals and allied products	1.37	1.34	1.37	1.34	(X)	(X)	(X)	(X)
troleum and coal products	0.83	0.85	0.84	0.81	(X)	(X)	(X)	(X)
ıbber and plastics products	1.31	1.26	1.31	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; tor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; roleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1998	Jan.[2] 1993-1997	Jan. 1997-Dec. 1997	Jan.[1] 1998	Jan.[2] 1993-1997	Jan. 1997-Dec. 1997	Jan.[1] 1998	Jan.[2] 1993-1997	Jan. 1997-Dec. 1997	Jan.[1] 1998	Jan.[2] 1993-1997	Jan. 1997-Dec. 1997
l manufacturing industries	(X)	0.3	0.2	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.0	0.1
ıble goods industries	0.2	0.4	0.2	0.9	0.6	0.3	0.3	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.5	0.4	(X)	0.5	1.2	(X)	0.4	0.9	(X)	0.3	0.2
mary metals	-0.1	0.2	0.2	-0.3	1.0	0.6	-0.2	0.5	0.2	(X)	0.2	0.0
bricated metal products	(X)	0.4	0.3	(X)	0.9	0.6	(X)	0.5	0.3	(X)	0.5	0.1
lustrial machinery and equipment	0.9	1.0	0.5	1.1	1.2	0.7	0.1	0.1	0.2	(X)	0.1	0.1
ctronic and other lectrical equipment	0.3	0.5	0.6	0.3	0.9	1.0	-0.1	0.4	0.6	(X)	0.1	0.1
nsportation equipment	0.1	0.8	0.4	3.0	1.3	1.1	0.7	0.1	0.1	(X)	0.2	0.2
truments and related products	(X)	0.9	0.5	(X)	2.2	1.4	(X)	0.4	0.3	(X)	0.2	0.2
lurable goods industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.4	0.2	(X)	0.1	0.1
od and kindred products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
bacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
xtile mill products	(X)	0.6	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
per and allied products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.1
roleum and coal products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
bber and plastics products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
tal goods industries :												
ndefense	1.2	0.9	0.5	1.8	1.0	0.7	0.2	0.0	0.1	(X)	0.1	0.1
fense	-0.4	0.7	0.7	15.0	4.9	2.6	1.4	0.2	0.2	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the able goods industries are shown in the advance report for the month.

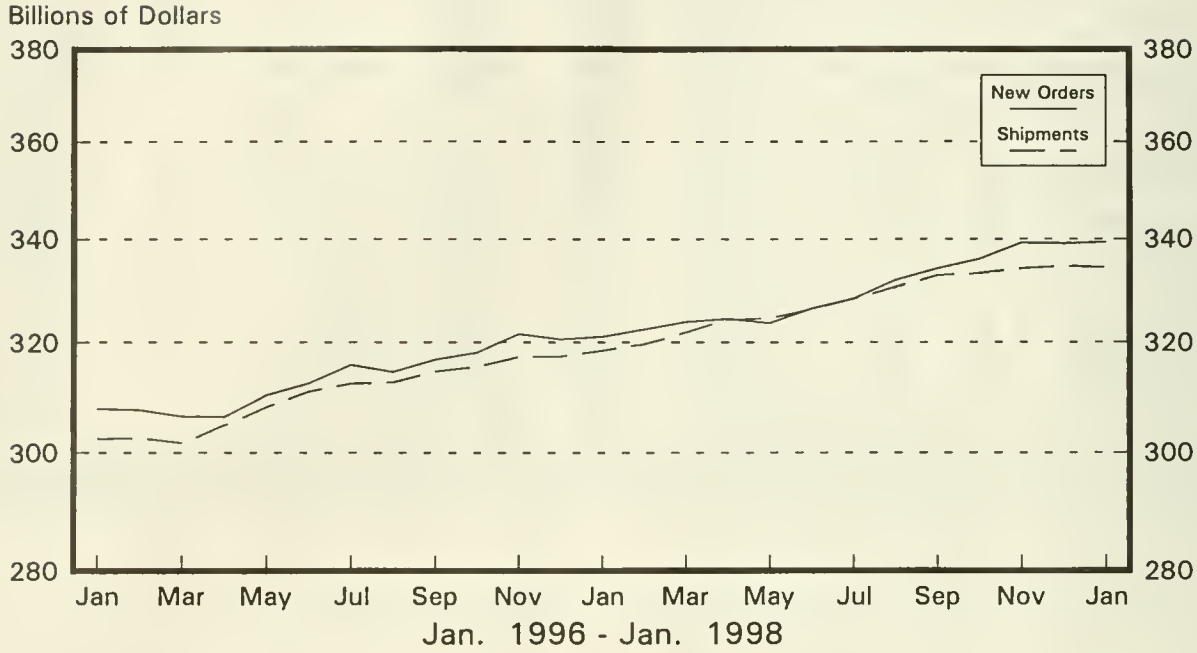
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

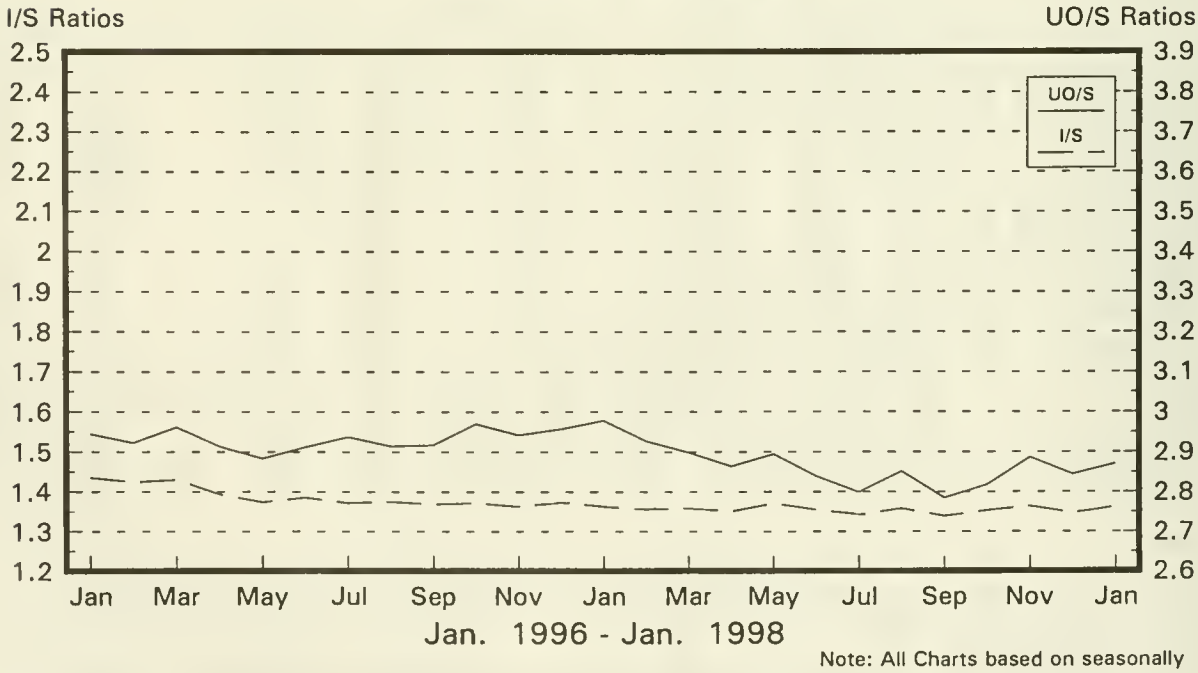
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

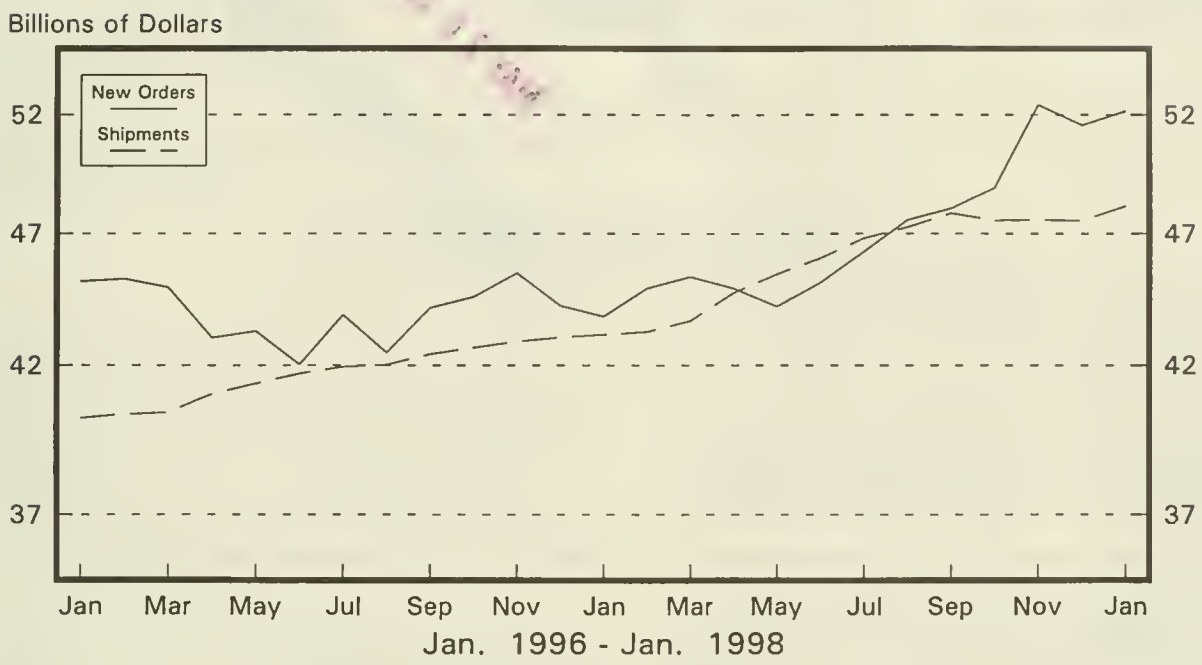
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

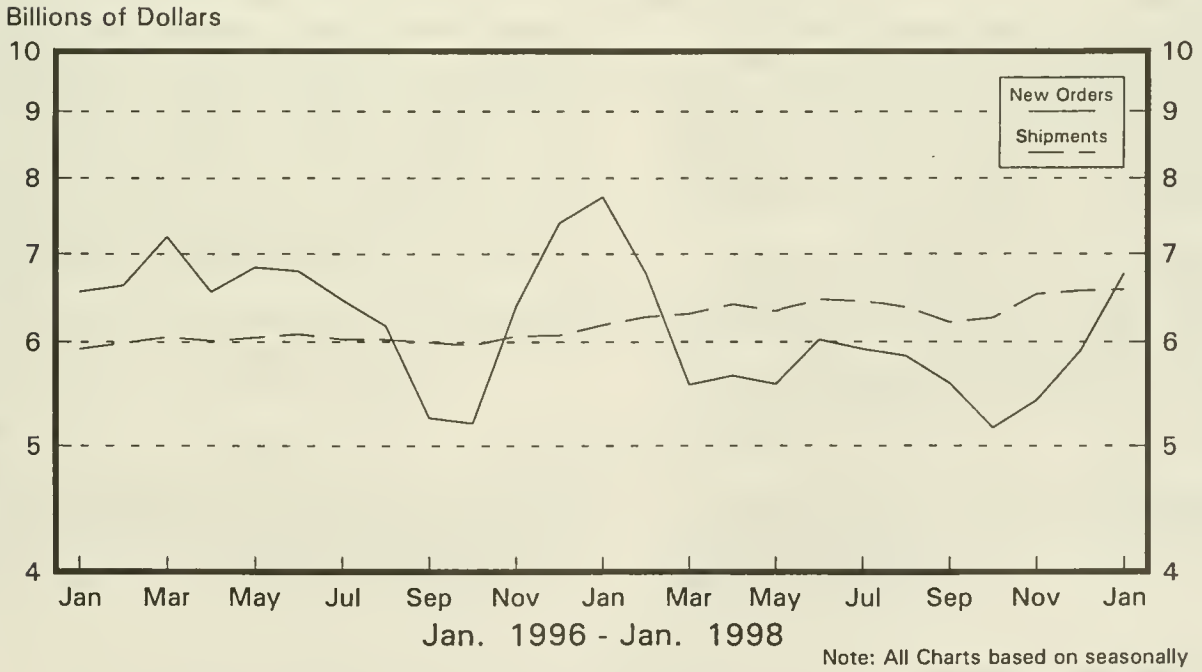
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
November 1997	Tues., Dec. 23	Tues, Jan 6, 1998
December 1997	Wed., Jan. 28	Thur., Feb 5
January 1998	Thur., Feb. 26	Thur., Mar. 5
February 1998	Wed., Mar. 25	Thur., Apr. 2
March 1998	Tues., Apr. 28	Wed., May 6
April 1998	Thur., May 28 (10 A.M.)	Thur., June 4
May 1998	Wed., June 24	Thur., July 2
June 1998	Wed., July 29	Thur., Aug. 6
July 1998	Wed., Aug. 26	Wed., Sep. 2
August 1998	Thur., Sept. 24 (10 A.M.)	Fri., Oct. 2
September 1998	Wed., Oct 28	Wed., Nov. 4
October 1998	Tues., Nov. 24 (10 A.M.)	Fri., Dec. 4
November 1998	Wed., Dec. 23 (10 A.M.)	Wed., Jan 6, 1999

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rrent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

February 1998

M3-1-(98)-02

For Wire Transmissions 10:00 a.m. E.S.T. April 2, 1998

J. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

JUL 0 9 1998

For Data - (301) 457-4673
For Questions - Kathy Menth or Lee Wentela
(301) 457-4804 or (301) 457-4852

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased $2.9 billion or 0.9 percent to $334.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.6 percent January increase and is the second decrease in the last nine months. Excluding transportation, new orders increased 0.2 percent, the second increase in the last three months. Year to date, new orders are 3.4 percent above the same period a year ago.

Shipments increased $3.8 billion or 1.2 percent to $337.5 billion, following a 0.9 percent January decrease. This is the second increase in the last three months. Year to date, shipments are 4.4 percent above the same period a year ago.

Unfilled orders, down two of the last seven months, decreased $2.7 billion or 0.5 percent to $542.9 billion, following a 0.8 percent January increase. The unfilled orders-to-shipments ratio was 2.82, down from 2.88 in January.

Inventories increased $2.5 billion or 0.5 percent to $457.6 billion. This follows a 0.3 percent January increase and is the thirteenth increase in the last fourteen months. The inventories-to-shipments ratio was 1.36, unchanged from January.

New Orders

New orders for manufactured durable goods in February decreased $2.1 billion or 1.1 percent to $185.4 billion, revised from the previously published 1.7 percent decrease. This follows a 1.6 percent January increase and is the second decrease in the last three months. Transportation equipment, down two of the last three months, had the largest decrease, $3.6 billion or 7.8 percent to $42.2 billion; a large decrease in aircraft and parts more than offset an increase in motor vehicles and parts. This follows a 7.0 percent January increase. Industrial machinery and equipment, up for the third consecutive month, had the largest increase, $1.0 billion or 2.8 percent to $36.4 billion. This follows a 2.3 percent January increase.

New orders for nondurable goods, down three of the last four months, decreased $0.8 billion or 0.5 percent to $149.5 billion, following a 0.7 percent January decrease. Textile mill products and petroleum and coal products had the largest decreases.

Shipments

Shipments of durable goods in February increased $4.7 billion or 2.6 percent to $187.7 billion, revised from the previously published 2.2 percent increase. This follows a 1.2 percent January decrease and is the second increase in the last three months. Transportation equipment, up for the first month since November, had the largest increase, $1.4 billion or 3.4 percent to $44.1 billion, due to motor vehicles and parts and railroad equipment. This follows a 1.9 percent January decrease. Electronic and other electrical equipment, up two of the last three months, increased $1.4 billion or 4.6 percent to $31.0 billion. This follows a 3.2 percent January decrease.

Shipments of nondurable goods, down three of the last four months, decreased $0.8 billion or 0.6 percent to $149.8 billion, following a 0.5 percent January decrease. Led by petroleum and coal products and textile mill products, decreases were widespread. Tobacco products had the largest increase.

Unfilled Orders

Unfilled orders for durable goods in February decreased $2.4 billion or 0.5 percent to $517.2 billion, revised from the previously published 0.6 percent decrease. This follows a 0.9 percent January increase and is the second decrease in the last three months. Transportation equipment, down two of the last three months, had the largest decrease, $1.9 billion or 0.7 percent to $262.6 billion, due to aircraft and parts and shipbuilding and tanks. This follows a 1.2 percent January increase. Industrial machinery and equipment, up for the first month since November, had the largest increase, $0.4 billion or 0.6 percent to $73.1 billion, following a 0.3 percent January decrease.

Inventories

Inventories of durable goods in February increased $1.6 billion or 0.6 percent to $286.7 billion, following a 0.4 percent January increase. This is the fourth increase in the last five months and the twelfth in the last fourteen months. Industrial machinery and equipment had the largest increase, $1.0 billion or 1.7 percent to $61.4 billion. This follows a 0.4 percent January decrease and is the fourth increase in the last five months. Primary metals had the largest decrease, $0.4 billion or 1.4 percent to $24.8 billion. This follows four consecutive monthly increases.

Inventories of nondurable goods, up for the thirteenth consecutive month, increased $0.8 billion or 0.5 percent to $170.9 billion, following a 0.2 percent January increase. Chemical and allied products had the largest increase, $0.6 billion or 1.3 percent to $45.7 billion. This follows a 1.6 percent January increase and is the eighteenth increase in the last nineteen months. Food and kindred products, up twelve of the last thirteen months, increased $0.3 billion or 1.0 percent to $36.6 billion. This follows a 1.1 percent January increase.

By stage of fabrication, February finished goods increased 0.7 percent in durables and 0.4 percent in nondurables. Work in process increased 0.4 percent in durables and 1.2 percent in nondurables. Materials and supplies increased 0.8 percent in durables and 0.2 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

The advance report on durable goods for March is scheduled for April 28, 1998 at 8:30 a.m. and the full report on May 6, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97	1998[p]	1997
All manufacturing industries	337,498	333,652	336,734	+1.2	-0.9	+1.1	335,289	299,635	333,515	320,523	+4.6	634,924	610,08
Manufacturing Industries													
with unfilled orders	192,549	189,362	190,397	+1.7	-0.5	+1.3	190,853	166,452	195,803	177,453	+7.6	357,305	332,82
without defense capital goods	330,917	327,141	330,454	+1.2	-1.0	+1.4	328,521	294,320	326,286	314,023	+4.6	622,841	598,61
Durable goods industries	187,729	183,053	185,337	+2.6	-1.2	+1.4	188,782	160,029	187,338	175,478	+7.6	348,811	327,65
With unfilled orders	154,701	150,999	151,888	+2.5	-0.6	+1.1	153,741	131,200	157,856	141,737	+8.5	284,941	264,05
Stone, clay, and glass products	7,978	7,845	7,812	+1.7	+0.4	+3.3	7,386	6,746	6,764	6,966	+6.0	14,132	13,24
Primary metals	15,532	15,378	15,261	+1.0	+0.8	-0.5	15,954	14,636	14,067	15,664	+1.9	30,590	30,05
Blast furnaces, steel mills	6,314	6,287	6,303	+0.4	-0.3	+2.2	6,532	6,132	5,798	6,470	+1.0	12,664	12,56
Iron and steel foundries	1,666	1,529	1,582	+9.0	-3.4	+4.9	1,748	1,427	1,331	1,491	+17.2	3,175	2,84
Nonferrous and other primary metals	7,552	7,562	7,376	-0.1	+2.5	-3.7	7,674	7,077	6,938	7,703	-0.4	14,751	14,64
Fabricated metal products	19,912	19,237	19,364	+3.5	-0.7	+0.3	20,132	17,448	18,001	18,759	+7.3	37,580	35,62
Industrial machinery and equipment	35,982	35,623	35,507	+1.0	+0.3	+4.5	35,446	30,168	38,409	31,740	+11.7	65,614	58,74
Engines and turbines	1,972	1,907	1,933	+3.4	-1.3	-0.5	1,978	1,574	2,468	1,746	+13.3	3,552	3,20
Farm and garden machinery	2,119	2,149	2,079	-1.4	+3.4	+22.6	2,500	1,928	1,580	2,208	+13.2	4,428	3,90
Construction, mining and material handling equipment	4,076	4,060	4,001	+0.4	+1.5	+0.7	4,332	3,678	3,922	3,890	+11.4	8,010	7,08
Metalworking machinery	3,393	3,447	3,450	-1.6	-0.1	+1.2	3,227	2,678	3,611	3,127	+3.2	5,905	5,63
Computer and office equipment	10,125	9,808	9,622	+3.2	+1.9	+9.1	8,911	7,436	13,021	7,494	+18.9	16,347	14,06
Electronic and other electrical equipment	30,992	29,618	30,605	+4.6	-3.2	+1.5	30,194	25,053	34,038	27,527	+9.7	55,247	50,73
Electrical transmission and distribution equipment and industrial apparatus	3,614	3,488	3,404	+3.6	+2.5	+1.6	3,703	3,034	3,338	3,253	+13.8	6,737	6,04
Household appliances	2,200	2,152	2,262	+2.2	-4.9	+5.0	2,095	1,743	2,167	1,917	+9.3	3,838	3,51
Electric lighting and wiring equipment	2,163	2,168	2,220	-0.2	-2.3	+1.9	2,239	1,918	2,324	2,161	+3.6	4,157	3,99
Household audio and video equipment	1,347	1,337	1,437	+0.7	-7.0	+4.9	1,218	1,040	1,393	1,184	+2.9	2,258	2,19
Communications equipment	7,023	6,741	6,672	+4.2	+1.0	+3.2	6,423	4,964	9,590	5,484	+17.1	11,387	9,63
Electronic components	12,614	11,735	12,577	+7.5	-6.7	+1.2	12,522	10,674	13,231	11,371	+10.1	23,196	21,20
Transportation equipment	44,071	42,641	43,447	+3.4	-1.9	-1.0	47,240	37,388	43,123	43,854	+7.7	84,628	80,97
Motor vehicles and parts	29,872	28,559	29,872	+4.6	-4.4	+0.3	33,354	26,465	26,449	31,882	+4.6	59,819	59,89
Aircraft, missiles, space vehicles, and parts	11,422	11,555	10,742	-1.2	+7.6	-4.2	11,094	8,822	13,834	9,181	+20.8	19,916	16,27
Shipbuilding and tanks	843	830	829	+1.6	+0.1	-8.0	866	607	1,038	897	-3.5	1,473	1,49
Instruments and related products	13,551	13,359	13,625	+1.4	-2.0	+2.7	13,439	11,798	14,550	12,736	+5.5	25,237	23,73
Search and navigation equipment	2,826	2,793	2,686	+1.2	+4.0	+3.5	2,954	2,448	2,850	2,643	+11.8	5,402	4,82
Measuring and controlling devices	4,009	3,904	3,939	+2.7	-0.9	-1.1	3,962	3,468	4,207	3,847	+3.0	7,430	7,05
Medical instruments and supplies	4,344	4,367	4,437	-0.5	-1.6	+3.4	4,306	3,936	4,888	4,044	+6.5	8,242	7,64
Photographic goods	1,895	1,824	2,075	+3.9	-12.1	+7.0	1,770	1,516	2,131	1,794	-1.3	3,286	3,39
All other durable goods	19,711	19,352	19,716	+1.9	-1.8	+1.9	18,991	16,792	18,386	18,232	+4.2	35,783	34,54
Nondurable goods industries	149,769	150,599	151,397	-0.6	-0.5	+0.9	146,507	139,606	146,177	145,045	+1.0	286,113	282,42
With unfilled orders	37,848	38,363	38,509	-1.3	-0.4	+2.1	37,112	35,252	37,947	35,716	+3.9	72,364	68,77
Food and kindred products	41,812	42,003	41,172	-0.5	+2.0	+1.0	40,551	39,149	40,656	38,721	+4.7	79,700	75,72
Meat products	9,050	8,990	8,832	+0.7	+1.8	+0.4	8,793	8,281	8,740	8,618	+2.0	17,074	16,70
Dairy products	6,041	5,825	5,352	+3.7	+8.8	+4.8	5,950	5,731	5,322	4,787	+24.3	11,681	9,68
Beverages	6,064	6,222	6,162	-2.5	+1.0	+0.6	5,409	5,313	5,748	5,214	+3.7	10,722	10,03
All other foods, except fats and oils	18,472	18,857	18,446	-2.0	+2.2	-0.7	18,214	17,715	18,466	18,050	+0.9	35,929	35,24
Tobacco products	3,517	3,286	3,217	+7.0	+2.1	-6.7	3,467	2,924	3,148	2,848	+21.7	6,391	5,89
Textile mill products	6,844	7,122	6,887	-3.9	+3.4	-0.4	6,625	6,154	6,240	6,681	-0.8	12,779	12,45
Broadwoven fabrics and other textiles	4,176	4,329	4,211	-3.5	+2.8	+0.2	4,130	3,842	3,975	4,165	-0.8	7,972	7,81
Paper and allied products	13,945	14,159	14,380	-1.5	-1.5	+3.4	13,928	13,614	13,963	13,382	+4.1	27,542	26,15
Pulp, paper, and paperboard mill products	5,544	5,569	5,600	-0.4	-0.6	+0.7	5,503	5,320	5,523	5,266	+4.5	10,823	10,24
Paperboard containers and boxes	3,427	3,538	3,744	-3.1	-5.5	+6.7	3,455	3,427	3,510	3,288	+5.1	6,882	6,47
Miscellaneous converted paper products	4,974	5,052	5,036	-1.5	+0.3	+4.1	4,970	4,867	4,930	4,828	+2.9	9,837	9,43
Chemicals and allied products	32,555	32,600	33,034	-0.1	-1.3	+1.5	32,064	31,181	32,087	32,143	-0.2	63,245	63,15
Industrial chemicals	15,464	15,749	16,059	-1.8	-1.9	-0.1	15,636	15,014	15,149	16,390	-4.6	30,650	31,35
Drugs, soaps, and toiletries	12,889	12,651	12,777	+1.9	-1.0	+2.6	12,295	12,452	13,542	11,924	+3.1	24,747	24,59
Petroleum and coal products	13,175	13,467	14,205	-2.2	-5.2	-3.9	12,148	12,319	14,025	14,822	-18.0	24,467	29,81
Rubber and plastics products	12,558	12,570	13,010	-0.1	-3.4	+3.3	12,667	11,673	11,587	12,441	+1.8	24,340	23,84
All other nondurable goods	25,363	25,392	25,492	-0.1	-0.4	+1.4	25,057	22,592	24,471	24,007	+4.4	47,649	45,39

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97	1998[p]	1997
All manufacturing industries	334,838	337,758	335,807	-0.9	+0.6	-2.6	334,011	312,077	331,552	326,107	+2.4	646,088	626,820
anufacturing industries													
vith unfilled orders	189,889	193,468	189,470	-1.8	+2.1	-5.2	189,575	178,894	193,840	183,037	+3.6	368,469	349,563
vithout defense capital goods	329,192	330,220	328,876	-0.3	+0.4	-2.9	328,274	304,686	321,615	320,503	+2.4	632,960	615,903
rable goods industries	185,356	187,481	184,456	-1.1	+1.6	-5.3	187,721	172,456	185,598	181,281	+3.6	360,177	344,506
Vith unfilled orders	152,328	155,427	151,007	-2.0	+2.9	-6.9	152,680	143,627	156,116	147,540	+3.5	296,307	280,904
one, clay, and glass products	7,801	7,796	7,789	+0.1	+0.1	+3.8	7,379	6,926	6,767	7,068	+4.4	14,305	13,516
mary metals	15,490	15,065	15,362	+2.8	-1.9	-3.5	16,713	15,686	14,936	16,619	+0.6	32,399	32,500
Blast furnaces, steel mills	6,361	6,016	6,656	+5.7	-9.6	-0.8	7,020	6,732	6,394	6,806	+3.1	13,752	13,717
ron and steel foundries	1,766	1,552	1,685	+13.8	-7.9	-4.9	2,014	1,556	1,556	1,678	+20.0	3,570	3,210
Nonferrous and other primary metals	7,363	7,497	7,021	-1.8	+6.8	-5.5	7,679	7,398	6,986	8,135	-5.6	15,077	15,573
bricated metal products	19,893	19,457	19,321	+2.2	+0.7	-0.5	20,196	17,904	18,005	19,224	+5.1	38,100	36,475
ustrial machinery and equipment	36,414	35,436	34,635	+2.8	+2.3	+1.8	36,075	31,008	36,882	32,886	+9.7	67,083	61,244
Engines and turbines	2,044	1,972	1,693	+3.7	+16.5	-17.3	1,782	1,528	2,158	1,900	-6.2	3,310	3,197
Construction, mining and material handling equipment	4,405	4,078	4,294	+8.0	-5.0	+1.3	4,807	4,117	4,321	3,963	+21.3	8,924	7,697
Metalworking machinery	3,528	3,471	3,018	+1.6	+15.0	-9.0	3,362	2,702	3,179	3,343	+0.6	6,064	6,032
Computer and office equipment	10,143	9,826	9,471	+3.2	+3.7	+9.4	9,097	7,391	12,293	7,613	+19.5	16,488	13,997
ctronic and other ectrical equipment	30,878	31,211	30,583	-1.1	+2.1	+3.5	29,896	29,913	31,719	30,075	-0.6	59,809	57,047
Electrical transmission and distribution equipment and industrial apparatus	3,647	3,367	3,595	+8.3	-6.3	+5.6	3,854	3,069	3,444	3,431	+12.3	6,923	6,468
Electric lighting and wiring equipment	2,386	2,185	2,264	+9.2	-3.5	+5.5	2,462	1,935	2,368	2,109	+16.7	4,397	4,047
Communications equipment	7,387	7,970	6,184	-7.3	+28.9	-2.7	6,814	6,163	9,130	6,462	+5.4	12,977	10,808
Electronic components	11,807	12,339	12,784	-4.3	-3.5	+4.9	11,343	13,839	11,356	12,746	-11.0	25,182	24,935
nsportation equipment	42,197	45,752	42,776	-7.8	+7.0	-22.2	45,236	41,970	43,892	43,285	+4.5	87,206	83,604
Aircraft, missiles, space vehicles, and parts	9,776	14,552	8,330	-32.8	+74.7	-61.6	9,185	12,948	12,730	9,119	+0.7	22,133	18,979
Shipbuilding and tanks	601	919	1,885	-34.6	-51.2	+91.8	659	749	2,043	423	+55.8	1,408	1,024
ruments and related products	13,252	13,514	14,046	-1.9	-3.8	+2.2	13,500	12,006	15,559	13,708	-1.5	25,506	25,322
earch and navigation equipment	2,646	2,680	2,815	-1.3	-4.8	+3.8	2,914	2,285	3,700	3,414	-14.6	5,199	5,383
Measuring and controlling devices	3,880	4,063	4,159	-4.5	-2.3	+4.8	3,833	3,627	4,427	3,827	+0.2	7,460	7,273
Medical instruments and supplies	4,422	4,445	4,584	-0.5	-3.0	+3.4	4,489	4,208	4,876	4,091	+9.7	8,697	8,283
other durable goods	19,431	19,250	19,944	+0.9	-3.5	+1.8	18,726	17,043	17,838	18,416	+1.7	35,769	34,798
ndurable goods industries	149,482	150,277	151,351	-0.5	-0.7	+0.8	146,290	139,621	145,954	144,826	+1.0	285,911	282,314
Vith unfilled orders	37,561	38,041	38,463	-1.3	-1.1	+2.0	36,895	35,267	37,724	35,497	+3.9	72,162	68,659

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97
All manufacturing industries	542,895	545,555	541,449	-0.5	+0.8	-0.2	546,512	547,790	535,348	528,959	+3.3
Manufacturing industries without defense capital goods	438,626	440,351	437,272	-0.4	+0.7	-0.4	441,482	441,729	431,363	417,833	+5.7
Durable goods industries	517,235	519,608	515,180	-0.5	+0.9	-0.2	521,553	522,614	510,187	504,426	+3.4
Stone, clay, and glass products	6,282	6,459	6,508	-2.7	-0.8	-0.4	6,418	6,425	6,245	6,849	-6.3
Primary metals	33,856	33,898	34,211	-0.1	-0.9	+0.3	35,146	34,387	33,337	30,884	+13.8
Blast furnaces, steel mills	14,248	14,201	14,472	+0.3	-1.9	+2.5	14,980	14,492	13,892	12,692	+18.0
Iron and steel foundries	5,672	5,572	5,549	+1.8	+0.4	+1.9	5,840	5,574	5,445	4,657	+25.4
Nonferrous and other primary metals	13,936	14,125	14,190	-1.3	-0.5	-2.4	14,326	14,321	14,000	13,535	+5.8
Fabricated metal products	27,250	27,269	27,049	-0.1	+0.8	-0.2	27,238	27,174	26,718	25,085	+8.6
Industrial machinery and equipment	73,085	72,653	72,840	+0.6	-0.3	-1.2	74,377	73,748	72,908	74,661	-0.4
Engines and turbines	11,848	11,776	11,711	+0.6	+0.6	-2.0	12,042	12,238	12,284	12,694	-5.1
Construction, mining and material handling equipment	10,906	10,577	10,559	+3.1	+0.2	+2.9	11,292	10,817	10,378	9,237	+22.2
Metalworking machinery	7,304	7,169	7,145	+1.9	+0.3	-5.7	7,304	7,169	7,145	8,609	-15.2
Computer and office equipment	7,978	7,960	7,942	+0.2	+0.2	-1.9	7,868	7,682	7,727	9,713	-19.0
Electronic and other electrical equipment	56,516	56,630	55,037	-0.2	+2.9	0.0	57,423	57,721	52,861	54,172	+6.0
Electrical transmission and distribution equipment and industrial apparatus	6,306	6,273	6,394	+0.5	-1.9	+3.1	6,407	6,256	6,221	6,724	-4.7
Electric lighting and wiring equipment	5,063	4,840	4,823	+4.6	+0.4	+0.9	5,063	4,840	4,823	4,471	+13.2
Communications equipment	15,871	15,507	14,278	+2.3	+8.6	-3.3	15,891	15,500	14,301	13,569	+17.1
Electronic components	23,102	23,909	23,305	-3.4	+2.6	+0.9	23,685	24,864	21,699	23,493	+0.8
Transportation equipment	262,607	264,481	261,370	-0.7	+1.2	-0.3	263,303	265,307	260,725	258,367	+1.9
Aircraft, missiles, space vehicles, and parts	227,384	229,030	226,033	-0.7	+1.3	-1.1	227,809	229,718	225,592	225,612	+1.0
Shipbuilding and tanks	18,383	18,625	18,536	-1.3	+0.5	+6.0	18,355	18,562	18,420	18,982	-3.3
Instruments and related products	48,699	48,998	48,843	-0.6	+0.3	+0.9	49,213	49,152	48,944	47,398	+3.8
Search and navigation equipment	28,285	28,465	28,578	-0.6	-0.4	+0.5	28,601	28,641	28,804	28,177	+1.5
Measuring and controlling devices	10,174	10,303	10,144	-1.3	+1.6	+2.2	10,174	10,303	10,144	9,970	+2.0
Medical instruments and supplies	8,464	8,386	8,308	+0.9	+0.9	+1.8	8,767	8,584	8,312	8,060	+8.8
All other durable goods	8,940	9,220	9,322	-3.0	-1.1	+2.5	8,435	8,700	8,449	7,010	+20.3
Nondurable goods industries	25,660	25,947	26,269	-1.1	-1.2	-0.2	24,959	25,176	25,161	24,533	+1.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97
All manufacturing industries	457,580	455,122	453,591	+0.5	+0.3	-0.1	460,609	453,306	442,992	441,050	+4.4
anufacturing industries											
ith unfilled orders	303,279	301,754	300,724	+0.5	+0.3	-0.1	304,306	299,171	291,241	291,667	+4.3
ithout defense capital goods	440,134	437,847	436,509	+0.5	+0.3	-0.4	443,243	436,308	426,798	424,726	+4.4
urable goods industries	286,708	285,065	283,912	+0.6	+0.4	-0.3	288,783	283,573	275,777	276,461	+4.5
With unfilled orders	263,287	261,716	260,580	+0.6	+0.4	-0.3	264,396	259,710	252,591	252,767	+4.6
one, clay, and glass products	8,787	8,790	8,759	0.0	+0.4	+0.2	9,009	8,785	8,531	8,920	+1.0
imary metals	24,758	25,109	25,107	-1.4	0.0	+0.6	24,880	25,258	25,195	24,758	+0.5
Blast furnaces, steel mills	12,068	12,091	12,083	-0.2	+0.1	+0.2	12,149	12,330	12,364	12,189	-0.3
Iron and steel foundries	1,643	1,667	1,644	-1.4	+1.4	+0.2	1,664	1,644	1,603	1,695	-1.8
Nonferrous and other primary metals	11,047	11,351	11,380	-2.7	-0.3	+1.1	11,067	11,284	11,228	10,874	+1.8
bricated metal products	29,591	29,303	29,106	+1.0	+0.7	-0.2	29,746	29,167	28,593	27,993	+6.3
dustrial machinery and equipment	61,438	60,396	60,667	+1.7	-0.4	+0.1	62,342	60,040	58,472	59,594	+4.6
Engines and turbines	4,206	4,110	3,926	+2.3	+4.7	+1.7	4,163	3,949	3,683	3,600	+15.6
Farm and garden machinery	3,439	3,394	3,342	+1.3	+1.6	+2.5	3,825	3,715	3,481	3,465	+10.4
Construction, mining and material handling equipment	8,367	8,242	8,195	+1.5	+0.6	+1.5	8,492	8,244	8,007	7,693	+10.4
Metalworking machinery	7,251	7,156	7,302	+1.3	-2.0	-0.4	7,213	6,929	6,826	7,212	0.0
Computer and office equipment	11,153	11,044	11,435	+1.0	-3.4	-1.9	11,410	10,832	10,607	12,156	-6.1
ctronic and other lectrical equipment	41,449	40,948	40,493	+1.2	+1.1	+0.5	41,374	40,466	39,087	39,226	+5.5
Electrical transmission and distribution equipment and industrial apparatus	5,303	5,293	5,276	+0.2	+0.3	+0.9	5,310	5,225	5,119	5,221	+1.7
Household appliances	2,593	2,550	2,499	+1.7	+2.0	-5.5	2,701	2,510	2,274	2,888	-6.5
Electric lighting and wiring equipment	3,419	3,429	3,413	-0.3	+0.5	-0.3	3,419	3,360	3,229	3,301	+3.6
Household audio and video equipment	1,378	1,388	1,435	-0.7	-3.3	-4.3	1,347	1,338	1,320	1,612	-16.4
Communications equipment	11,261	11,152	11,143	+1.0	+0.1	+0.8	11,226	11,081	10,659	10,351	+8.5
Electronic components	14,185	13,824	13,447	+2.6	+2.8	+2.0	14,140	13,755	13,369	12,530	+12.8
nsportation equipment	68,212	68,203	67,657	0.0	+0.8	-1.4	68,702	67,790	64,823	65,300	+5.2
Motor vehicles and parts	16,599	16,564	16,423	+0.2	+0.9	0.0	16,759	16,565	15,879	16,970	-1.2
Aircraft, missiles, space vehicles, and parts	46,635	46,648	46,377	0.0	+0.6	-2.3	46,887	46,226	44,215	43,532	+7.7
Shipbuilding and tanks	1,637	1,705	1,684	-4.0	+1.2	+4.5	1,674	1,733	1,644	1,752	-4.5
truments and related products	25,162	25,125	25,023	+0.1	+0.4	-0.5	25,009	24,600	24,229	24,430	+2.4
Search and navigation equipment	6,217	6,222	6,235	-0.1	-0.2	+2.4	6,197	6,090	6,080	6,117	+1.3
Measuring and controlling devices	7,945	7,901	7,852	+0.6	+0.6	-0.4	7,916	7,783	7,621	7,672	+3.2
Medical instruments and supplies	7,919	7,923	7,882	-0.1	+0.5	-3.5	7,888	7,818	7,687	7,740	+1.9
Photographic goods	2,378	2,382	2,371	-0.2	+0.5	+1.2	2,308	2,222	2,159	2,275	+1.5
other durable goods	27,311	27,191	27,100	+0.4	+0.3	0.0	27,721	27,467	26,847	26,240	+5.6
ndurable goods industries	170,872	170,057	169,679	+0.5	+0.2	+0.1	171,826	169,733	167,215	164,589	+4.4
With unfilled orders	39,992	40,038	40,144	-0.1	-0.3	+0.8	39,910	39,461	38,650	38,900	+2.6
od and kindred products	36,642	36,293	35,894	+1.0	+1.1	+0.6	36,837	36,630	36,224	34,850	+5.7
Meat products	4,064	4,082	3,864	-0.4	+5.6	-0.1	4,129	4,022	3,664	3,747	+10.2
Dairy products	3,699	3,538	3,293	+4.6	+7.4	+0.9	3,606	3,452	3,119	3,015	+19.6
Beverages	7,236	7,231	7,185	+0.1	+0.6	0.0	7,255	7,225	7,100	6,667	+8.8
All other foods, except fats and oils	19,599	19,487	19,621	+0.6	-0.7	+1.4	19,590	19,803	20,338	19,189	+2.1
bacco products	6,246	6,318	6,174	-1.1	+2.3	-0.9	6,743	6,917	6,547	6,651	+1.4
xtile mill products	10,359	10,306	10,304	+0.5	0.0	+0.6	10,477	10,275	9,855	10,163	+3.1
Broadwoven fabrics and other textiles	6,514	6,495	6,492	+0.3	0.0	+1.5	6,617	6,528	6,262	6,391	+3.5
per and allied products	16,434	16,478	16,379	-0.3	+0.6	+1.2	16,633	16,570	16,247	16,135	+3.1
Pulp, paper, and paperboard mill products	6,648	6,732	6,694	-1.2	+0.6	+1.0	6,796	6,808	6,629	6,764	+0.5
Paperboard containers and boxes	4,097	4,074	4,026	+0.6	+1.2	+2.3	4,172	4,120	4,038	3,956	+5.5
Miscellaneous converted paper products	5,689	5,672	5,659	+0.3	+0.2	+0.9	5,665	5,642	5,580	5,415	+4.6
emicals and allied products	45,676	45,107	44,400	+1.3	+1.6	-0.2	46,219	44,898	44,139	42,101	+9.8
ndustrial chemicals	20,355	20,121	20,069	+1.2	+0.3	-0.7	20,660	20,329	20,279	19,757	+4.6
Drugs, soaps, and toiletries	19,841	19,512	18,906	+1.7	+3.2	+0.2	19,665	18,858	18,447	16,727	+17.6
roleum and coal products	11,278	11,275	12,107	0.0	-6.9	-2.8	10,961	10,965	11,604	12,311	-11.0
bber and plastics products	16,528	16,533	16,442	0.0	+0.6	-0.1	16,891	16,664	16,256	16,264	+3.9
other nondurable goods	27,709	27,747	27,979	-0.1	-0.8	+0.6	27,065	26,814	26,343	26,114	+3.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97	1998[p]	1997
SHIPMENTS													
All manufacturing industries	337,498	333,652	336,734	+1.2	-0.9	+1.1	335,289	299,635	333,515	320,523	+4.6	634,924	610,080
Market categories :													
Automotive equipment	14,578	13,995	14,908	+4.2	-6.1	+1.4	16,010	12,753	13,207	15,478	+3.4	28,763	29,054
Home goods and apparel	19,977	19,854	19,960	+0.6	-0.5	+2.2	19,726	16,600	17,720	18,696	+5.5	36,326	34,257
Consumer staples	70,070	69,954	69,538	+0.2	+0.6	0.0	67,365	65,415	69,867	65,859	+2.3	132,780	130,851
Machinery and equipment	63,123	61,969	62,145	+1.9	-0.3	+3.7	62,286	51,594	69,297	55,875	+11.5	113,880	102,567
Business supplies	25,601	25,805	26,421	-0.8	-2.3	+2.1	25,082	23,592	25,915	24,856	+0.9	48,674	47,886
Construction materials and supplies	21,206	20,926	21,017	+1.3	-0.4	+1.7	20,226	18,209	19,044	19,611	+3.1	38,435	37,373
Defense products	6,947	6,867	6,698	+1.2	+2.5	-8.4	7,177	5,707	7,532	6,918	+3.7	12,884	12,266
Other materials, supplies and and intermediate products	115,996	114,282	116,047	+1.5	-1.5	+0.5	117,417	105,765	110,933	113,230	+3.7	223,182	215,826
Durable goods industries :													
Nondefense capital goods [3]	49,944	49,169	48,400	+1.6	+1.6	+3.0	47,918	39,669	57,605	41,702	+14.9	87,587	76,067
Excluding aircraft and parts	42,181	41,274	41,280	+2.2	0.0	+3.1	40,513	33,725	48,044	36,049	+12.4	74,238	65,941
Defense capital goods [4]	6,581	6,511	6,280	+1.1	+3.7	-9.2	6,768	5,315	7,229	6,500	+4.1	12,083	11,469
Durables excluding capital goods	131,204	127,373	130,657	+3.0	-2.5	+1.3	134,096	115,045	122,504	127,276	+5.4	249,141	240,118
Miscellaneous series :													
Producers' durable equipment	121,001	117,959	119,767	+2.6	-1.5	+2.4	122,721	101,991	122,983	112,957	+8.6	224,712	209,678
Household durable goods	10,441	10,171	10,430	+2.7	-2.5	+3.4	10,040	8,356	9,970	9,145	+9.8	18,396	16,809
Information technology industries	23,776	23,019	23,093	+3.3	-0.3	+5.4	21,818	18,022	29,714	19,234	+13.4	39,840	35,252
Health care equipment and products	11,352	11,248	11,388	+0.9	-1.2	+2.9	11,005	10,700	12,230	10,542	+4.4	21,705	21,023
NEW ORDERS													
All manufacturing industries	334,838	337,758	335,807	-0.9	+0.6	-2.6	334,011	312,077	331,552	326,107	+2.4	646,088	626,820
Market categories :													
Automotive equipment	14,572	13,978	14,915	+4.2	-6.3	+1.8	16,023	12,845	13,237	15,519	+3.2	28,868	29,268
Home goods and apparel	19,712	19,410	20,042	+1.6	-3.2	-1.1	19,751	16,962	17,289	18,889	+4.6	36,713	34,864
Consumer staples	70,092	69,967	69,562	+0.2	+0.6	+0.3	67,268	65,403	69,873	65,521	+2.7	132,671	130,561
Machinery and equipment	62,466	65,131	59,987	-4.1	+8.6	-16.8	62,237	56,171	66,142	59,228	+5.1	118,408	110,041
Business supplies	25,675	25,769	26,257	-0.4	-1.9	+1.8	25,088	23,601	25,698	24,623	+1.9	48,689	47,684
Construction materials and supplies	21,275	20,946	21,097	+1.6	-0.7	+2.1	20,437	18,495	19,184	19,749	+3.5	38,932	37,872
Defense products	5,990	7,933	7,202	-24.5	+10.1	+13.2	6,058	7,657	10,117	5,911	+2.5	13,715	11,359
Other materials, supplies and and intermediate products	115,056	114,624	116,745	+0.4	-1.8	+1.0	117,149	110,943	110,012	116,667	+0.4	228,092	225,171
Durable goods industries :													
Nondefense capital goods [3]	49,573	52,110	45,924	-4.9	+13.5	-21.8	47,888	43,910	54,425	44,757	+7.0	91,798	83,068
Excluding aircraft and parts	43,068	42,249	41,132	+1.9	+2.7	+1.6	41,741	36,000	47,192	38,600	+8.1	77,741	70,338
Defense capital goods [4]	5,646	7,538	6,931	-25.1	+8.8	+14.1	5,737	7,391	9,937	5,604	+2.4	13,128	10,917
Durables excluding capital goods	130,137	127,833	131,601	+1.8	-2.9	+1.3	134,096	121,155	121,236	130,920	+2.4	255,251	250,521
Miscellaneous series :													
Producers' durable equipment	120,104	121,026	118,290	-0.8	+2.3	-8.8	122,536	107,974	119,961	116,834	+4.9	230,510	219,344
Household durable goods	10,288	9,863	10,404	+4.3	-5.2	-1.6	9,968	8,614	9,527	9,344	+6.7	18,582	17,394
Information technology industries	23,946	24,485	22,852	-2.2	+7.1	+5.2	22,191	19,427	28,888	20,916	+6.1	41,618	37,279
Health care equipment and products	11,429	11,326	11,536	+0.9	-1.8	+2.9	11,187	10,971	12,215	10,590	+5.6	22,158	21,658

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97
UNFILLED ORDERS											
l manufacturing industries	542,895	545,555	541,449	-0.5	+0.8	-0.2	546,512	547,790	535,348	528,959	+3.3
ket categories :											
utomotive equipment	2,402	2,409	2,425	-0.3	-0.7	+0.3	2,465	2,453	2,361	2,418	+1.9
ome goods and apparel	9,660	9,925	10,370	-2.7	-4.3	+0.8	9,397	9,373	9,011	8,113	+15.8
onsumer staples	2,193	2,172	2,158	+1.0	+0.6	+1.1	2,015	2,111	2,122	1,868	+7.9
lachinery and equipment	250,438	251,095	247,932	-0.3	+1.3	-0.9	251,426	251,476	246,900	236,046	+6.5
usiness supplies	6,778	6,704	6,741	+1.1	-0.5	-2.4	6,571	6,566	6,557	6,408	+2.5
onstruction materials and supplies	17,722	17,653	17,633	+0.4	+0.1	+0.5	17,804	17,593	17,307	16,627	+7.1
efense products	99,580	100,536	99,470	-1.0	+1.1	+0.5	100,284	101,403	99,453	106,200	-5.6
ther materials, supplies and and intermediate products	154,122	155,061	154,720	-0.6	+0.2	+0.5	156,550	156,815	151,637	151,279	+3.5
ıble goods industries :											
ondefense capital goods [3]	267,384	267,755	264,814	-0.1	+1.1	-0.9	268,624	268,654	264,413	256,524	+4.7
Excluding aircraft and parts	103,646	102,759	101,784	+0.9	+1.0	-0.1	104,886	103,658	101,383	98,172	+6.8
efense capital goods [4]	104,269	105,204	104,177	-0.9	+1.0	+0.6	105,030	106,061	103,985	111,126	-5.5
ırables excluding capital goods	145,582	146,649	146,189	-0.7	+0.3	+0.6	147,899	147,899	141,789	136,776	+8.1
ellaneous series :											
oducers' durable equipment	290,786	291,683	288,616	-0.3	+1.1	-0.5	292,325	292,510	286,527	272,676	+7.2
ousehold durable goods	6,550	6,703	7,011	-2.3	-4.4	-0.4	6,413	6,485	6,227	5,385	+19.1
formation technology industries	39,596	39,426	37,960	+0.4	+3.9	-0.6	39,497	39,124	37,719	37,117	+6.4
alth care equipment and products	8,508	8,432	8,353	+0.9	+0.9	+1.8	8,808	8,627	8,355	8,091	+8.9
TOTAL INVENTORIES											
manufacturing industries	457,580	455,122	453,591	+0.5	+0.3	-0.1	460,609	453,306	442,992	441,050	+4.4
et categories :											
ıtomotive equipment	8,254	8,257	8,201	0.0	+0.7	+0.7	8,373	8,193	7,823	8,315	+0.7
me goods and apparel	32,879	32,736	32,647	+0.4	+0.3	-0.4	32,792	32,348	31,128	31,474	+4.2
nsumer staples	72,001	71,472	70,942	+0.7	+0.7	+0.1	72,151	71,330	70,601	67,892	+6.3
ıchinery and equipment	114,817	114,355	114,101	+0.4	+0.2	-1.6	116,021	113,367	109,415	110,316	+5.2
siness supplies	27,138	27,040	27,321	+0.4	-1.0	+0.2	27,056	26,566	26,302	26,148	+3.5
nstruction materials nd supplies	27,634	27,658	27,610	-0.1	+0.2	-0.4	27,968	27,644	27,080	27,287	+2.5
fense products	16,957	16,810	16,562	+0.9	+1.5	+4.3	16,889	16,618	15,838	16,017	+5.4
ner materials, supplies and nd intermediate products	157,900	156,794	156,207	+0.7	+0.4	+0.4	159,359	157,240	154,805	153,601	+3.7
ble goods industries :											
ndefense capital goods [3]	108,601	108,034	108,057	+0.5	0.0	-1.6	109,441	106,950	103,501	104,117	+5.1
xcluding aircraft and parts	73,234	72,470	72,617	+1.1	-0.2	+0.3	73,725	71,576	69,466	70,680	+4.3
fense capital goods [4]	17,446	17,275	17,082	+1.0	+1.1	+6.2	17,366	16,998	16,194	16,324	+6.4
rables excluding capital goods	160,661	159,756	158,773	+0.6	+0.6	0.0	161,976	159,625	156,082	156,020	+3.8
ellaneous series :											
oducers' durable equipment	184,651	183,782	183,033	+0.5	+0.4	-1.1	186,164	182,440	176,651	178,558	+4.3
usehold durable goods	16,382	16,282	16,160	+0.6	+0.8	-1.4	16,544	16,203	15,483	15,976	+3.6
ormation technology industries	34,834	34,576	34,915	+0.7	-1.0	-0.2	34,975	33,998	33,112	34,468	+1.5
alth care equipment and products	18,673	18,501	18,134	+0.9	+2.0	-1.4	18,552	18,049	17,691	16,820	+10.3

e footnotes at end of table 5.

e note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Feb. 1997	Feb. 98/97
MATERIALS AND SUPPLIES											
All manufacturing industries	150,915	150,116	148,913	+0.5	+0.8	+0.6	151,501	151,084	148,561	145,861	+3.9
Durable goods industries	88,726	88,051	87,306	+0.8	+0.9	+0.2	88,818	88,613	86,990	84,316	+5.
Stone, clay, and glass products	2,912	2,951	2,971	-1.3	-0.7	+0.4	2,911	2,959	2,971	2,903	+0.
Primary metals	7,850	7,908	8,026	-0.7	-1.5	+0.5	7,814	8,034	8,328	7,910	-1.
Fabricated metal products	10,788	10,659	10,590	+1.2	+0.7	+0.2	10,811	10,786	10,766	10,379	+4.
Industrial machinery and equipment	18,569	18,299	18,262	+1.5	+0.2	-0.6	18,668	18,157	17,833	17,950	+4.
Electronic and other electrical equipment	14,296	14,198	13,916	+0.7	+2.0	+0.9	14,095	14,130	13,637	13,040	+8.
Transportation equipment	15,209	15,021	14,652	+1.3	+2.5	+0.5	15,299	15,170	14,368	14,105	+8.
Instruments and related products	8,677	8,652	8,540	+0.3	+1.3	-0.8	8,625	8,667	8,416	7,952	+8.
Lumber, furniture and miscellaneous durable goods	10,425	10,363	10,349	+0.6	+0.1	+0.7	10,595	10,710	10,671	10,077	+5.
Nondurable goods industries	62,189	62,065	61,607	+0.2	+0.7	+1.1	62,683	62,471	61,571	61,545	+1.
Food and kindred products	11,273	11,179	11,116	+0.8	+0.6	+2.5	11,491	11,450	11,285	11,658	-1.
Tobacco products	5,262	5,361	5,180	-1.8	+3.5	-0.9	5,567	5,770	5,457	5,423	+2.
Textile mill products	3,051	3,045	3,064	+0.2	-0.6	+0.2	3,107	3,046	3,011	3,220	-3.
Paper and allied products	7,945	7,993	7,895	-0.6	+1.2	+1.5	8,032	8,028	7,950	7,939	+1.
Chemicals and allied products	15,013	14,888	14,535	+0.8	+2.4	+0.1	15,022	14,794	14,414	14,072	+6.
Petroleum and coal products	3,558	3,507	3,601	+1.5	-2.6	-1.2	3,453	3,396	3,500	3,612	-4.
Rubber and plastics products	6,473	6,426	6,384	+0.7	+0.7	+1.1	6,527	6,464	6,420	6,236	+4.
Apparel, printing and publishing and leather goods	9,614	9,666	9,832	-0.5	-1.7	+3.3	9,484	9,523	9,534	9,385	+1.
WORK IN PROCESS											
All manufacturing industries	146,265	145,499	145,823	+0.5	-0.2	-0.1	146,493	144,103	140,881	138,728	+5.
Durable goods industries	116,647	116,222	116,351	+0.4	-0.1	-0.2	117,020	114,965	112,133	111,858	+4.
Stone, clay, and glass products	1,301	1,291	1,251	+0.8	+3.2	-1.0	1,384	1,266	1,155	1,355	+2.
Primary metals	8,796	8,972	8,873	-2.0	+1.1	+0.7	8,790	8,924	8,745	8,764	+0.
Fabricated metal products	8,055	8,102	8,138	-0.6	-0.4	-0.5	7,967	8,025	7,945	7,755	+2.
Industrial machinery and equipment	23,563	23,203	23,610	+1.6	-1.7	+1.8	23,684	22,846	22,511	22,399	+5.
Electronic and other electrical equipment	15,910	15,603	15,434	+2.0	+1.1	+1.5	15,963	15,402	14,954	14,914	+7.
Transportation equipment	44,104	44,174	44,024	-0.2	+0.3	-1.7	44,335	43,928	42,422	41,589	+6.
Instruments and related products	9,788	9,814	9,849	-0.3	-0.4	-0.4	9,764	9,562	9,401	10,054	-2.
Lumber, furniture and miscellaneous durable goods	5,130	5,063	5,172	+1.3	-2.1	-2.5	5,133	5,012	5,000	5,028	+2.
Nondurable goods industries	29,618	29,277	29,472	+1.2	-0.7	+0.2	29,473	29,138	28,748	26,870	+9.
Food and kindred products	5,410	5,382	5,486	+0.5	-1.9	-0.5	5,401	5,610	5,816	4,987	+8.
Tobacco products	156	137	126	+13.9	+8.7	+27.3	156	149	133	218	-28.
Textile mill products	2,626	2,617	2,648	+0.3	-1.2	+1.0	2,625	2,617	2,544	2,517	+4.
Paper and allied products	1,903	1,894	1,866	+0.5	+1.5	+4.5	1,909	1,921	1,851	1,679	+13.
Chemicals and allied products	8,667	8,497	8,477	+2.0	+0.2	+2.0	8,657	8,391	8,322	6,930	+24.
Petroleum and coal products	2,556	2,447	2,544	+4.5	-3.8	-5.5	2,520	2,392	2,381	2,768	-9.
Rubber and plastics products	2,246	2,231	2,232	+0.7	0.0	+1.2	2,296	2,263	2,193	2,180	+5.
Apparel, printing and publishing and leather goods	6,054	6,072	6,093	-0.3	-0.3	-1.6	5,909	5,795	5,508	5,591	+5.
FINISHED GOODS											
All manufacturing industries	160,400	159,507	158,855	+0.6	+0.4	-0.8	162,615	158,119	153,550	156,461	+3.
Durable goods industries	81,335	80,792	80,255	+0.7	+0.7	-0.8	82,945	79,995	76,654	80,287	+3.
Stone, clay, and glass products	4,574	4,548	4,537	+0.6	+0.2	+0.3	4,714	4,560	4,405	4,662	+1.
Primary metals	8,112	8,229	8,208	-1.4	+0.3	+0.6	8,276	8,300	8,122	8,084	+2.
Fabricated metal products	10,748	10,542	10,378	+2.0	+1.6	-0.4	10,968	10,356	9,882	9,859	+11.
Industrial machinery and equipment	19,306	18,894	18,795	+2.2	+0.5	-1.3	19,990	19,037	18,128	19,245	+3.
Electronic and other electrical equipment	11,243	11,147	11,143	+0.9	0.0	-1.4	11,316	10,934	10,496	11,272	+0.
Transportation equipment	8,899	9,008	8,981	-1.2	+0.3	-3.3	9,068	8,692	8,033	9,606	-5.
Instruments and related products	6,697	6,659	6,634	+0.6	+0.4	-0.5	6,620	6,371	6,412	6,424	+3.
Lumber, furniture and miscellaneous durable goods	11,756	11,765	11,579	-0.1	+1.6	+0.5	11,993	11,745	11,176	11,135	+7.
Nondurable goods industries	79,065	78,715	78,600	+0.4	+0.1	-0.8	79,670	78,124	76,896	76,174	+4.
Food and kindred products	19,959	19,732	19,292	+1.2	+2.3	0.0	19,945	19,570	19,123	18,205	+9.
Tobacco products	828	820	868	+1.0	-5.5	-4.1	1,020	998	957	1,010	+1.
Textile mill products	4,682	4,644	4,592	+0.8	+1.1	+0.6	4,745	4,612	4,300	4,426	+7.
Paper and allied products	6,586	6,591	6,618	-0.1	-0.4	0.0	6,692	6,621	6,446	6,517	+2.
Chemicals and allied products	21,996	21,722	21,388	+1.3	+1.6	-1.2	22,540	21,713	21,403	21,099	+6.
Petroleum and coal products	5,164	5,321	5,962	-3.0	-10.8	-2.6	4,988	5,177	5,723	5,931	-15.
Rubber and plastics products	7,809	7,876	7,826	-0.9	+0.6	-1.5	8,068	7,937	7,643	7,848	+2.
Apparel, printing and publishing and leather goods	12,041	12,009	12,054	+0.3	-0.4	-0.5	11,672	11,496	11,301	11,138	+4.

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Nov. 1997	Feb. 1998[p]	Jan. 1998[r]	Dec. 1997	Nov. 1997
ll manufacturing industries	1.36	1.36	1.35	1.36	2.82	2.88	2.84	2.89
ıble goods industries	1.53	1.56	1.53	1.56	3.34	3.44	3.39	3.43
ne, clay, and glass products	1.10	1.12	1.12	1.16	0.83	0.86	0.88	0.91
mary metals	1.59	1.63	1.65	1.63	2.18	2.20	2.24	2.22
bricated metal products	1.49	1.52	1.50	1.51	1.45	1.51	1.48	1.49
lustrial machinery and equipment	1.71	1.70	1.71	1.78	2.16	2.17	2.18	2.28
ctronic and other lectrical equipment	1.34	1.38	1.32	1.34	1.82	1.91	1.80	1.83
nsportation equipment	1.55	1.60	1.56	1.56	11.00	11.35	11.51	11.20
truments and related products	1.86	1.88	1.84	1.90	3.59	3.67	3.58	3.65
lurable goods industries	1.14	1.13	1.12	1.13	0.68	0.68	0.68	0.70
d and kindred products	0.88	0.86	0.87	0.87	(X)	(X)	(X)	(X)
bacco products	1.78	1.92	1.92	1.81	(X)	(X)	(X)	(X)
ctile mill products	1.51	1.45	1.50	1.48	(NA)	(NA)	(NA)	(NA)
er and allied products	1.18	1.16	1.14	1.16	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.40	1.38	1.34	1.37	(X)	(X)	(X)	(X)
roleum and coal products	0.86	0.84	0.85	0.84	(X)	(X)	(X)	(X)
bber and plastics products	1.32	1.32	1.26	1.31	(X)	(X)	(X)	(X)

Preliminary. ' Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1998	Feb.[2] 1993-1997	Feb. 1997-Jan. 1998	Feb.[1] 1998	Feb.[2] 1993-1997	Feb. 1997-Jan. 1998	Feb.[1] 1998	Feb.[2] 1993-1997	Feb. 1997-Jan. 1998	Feb.[1] 1998	Feb.[2] 1993-1997	Feb. 1997-Jan. 1998
manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.0	0.1
ble goods industries	0.4	0.2	0.2	0.6	0.3	0.3	0.1	0.2	0.1	(X)	0.0	0.1
ne, clay, and glass products	(X)	0.7	0.3	(X)	1.5	1.1	(X)	1.1	0.9	(X)	0.2	0.2
nary metals	0.1	0.4	0.2	0.7	0.8	0.6	0.3	0.4	0.3	(X)	0.1	0.0
icated metal products	(X)	0.4	0.3	(X)	0.8	0.5	(X)	0.3	0.3	(X)	0.1	0.1
strial machinery and equipment	-0.2	0.3	0.4	-0.4	0.4	0.6	-0.1	0.1	0.2	(X)	0.0	0.1
tronic and other ctrical equipment	0.3	0.5	0.6	1.6	0.5	1.0	0.6	0.3	0.5	(X)	0.1	0.1
sportation equipment	0.7	0.6	0.4	0.7	1.4	1.1	0.1	0.2	0.1	(X)	0.0	0.2
uments and related products	(X)	0.3	0.5	(X)	1.9	1.3	(X)	0.5	0.3	(X)	0.4	0.2
urable goods industries	(X)	0.2	0.2	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1
d and kindred products	(X)	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
acco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
tile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
er and allied products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
micals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
oleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3
ber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
al goods industries :												
defense	0.2	0.2	0.4	0.5	0.5	0.7	0.2	0.1	0.1	(X)	0.0	0.2
ense	0.7	0.6	0.9	2.7	7.0	2.5	0.2	0.4	0.2	(X)	0.2	0.2

X) Not applicable. (NA) Not available.

lote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The thly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ble goods industries are shown in the advance report for the month.

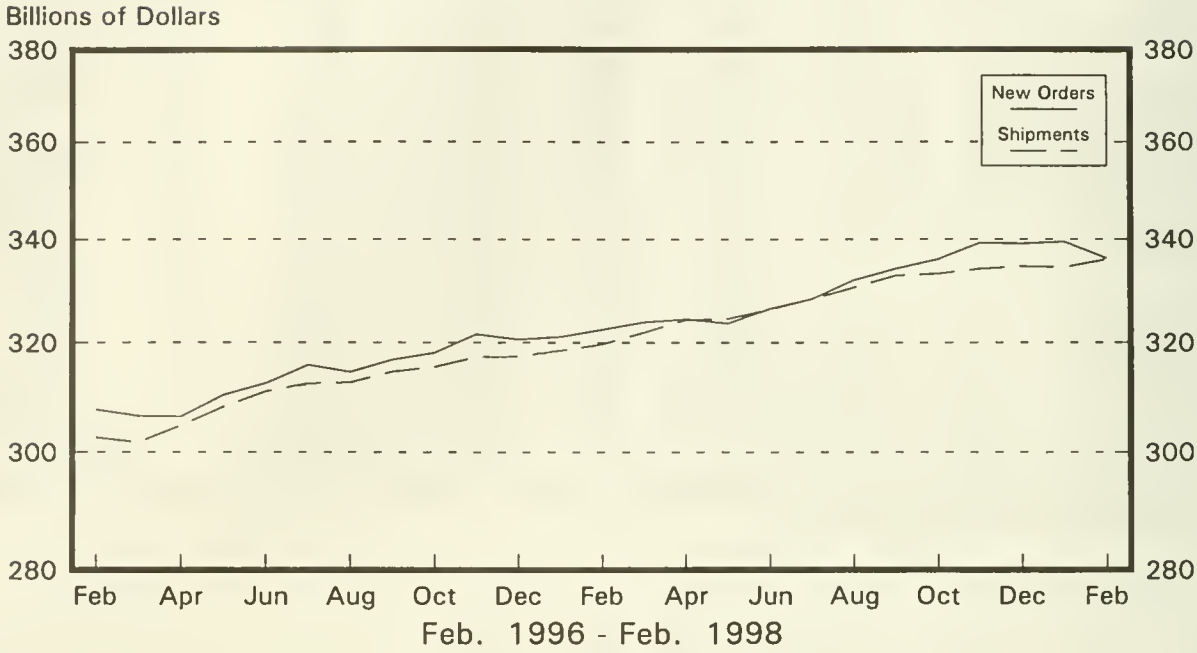
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

ee note at end of table 2 relating to survey error and revision.

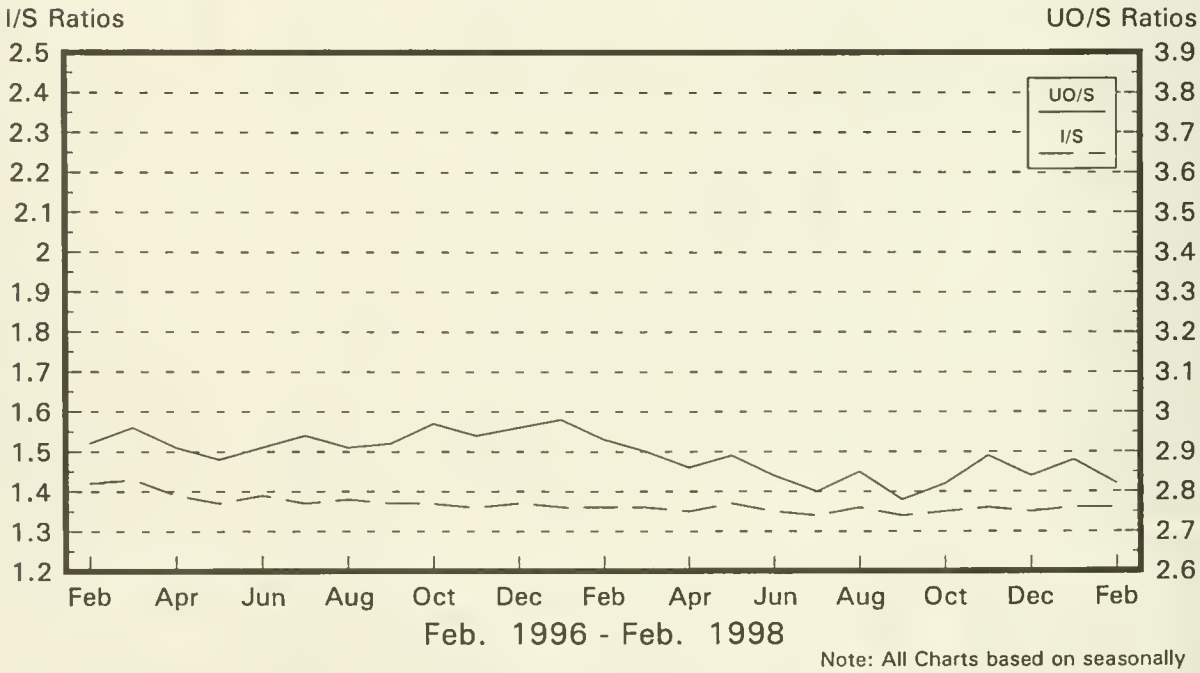
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

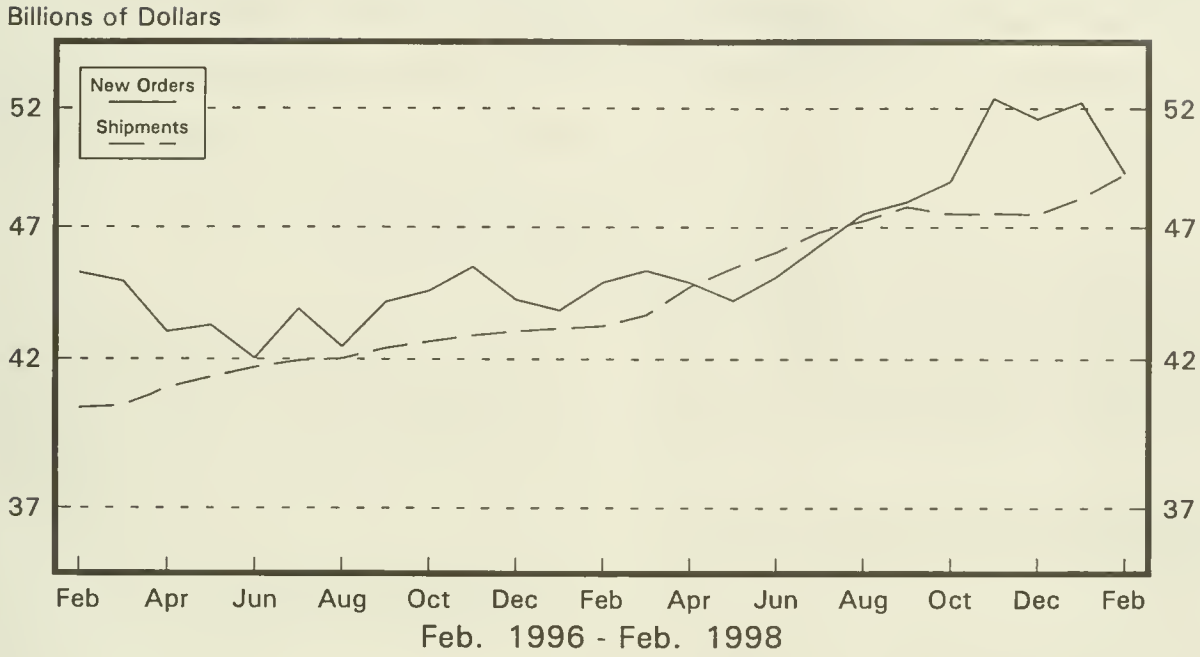
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

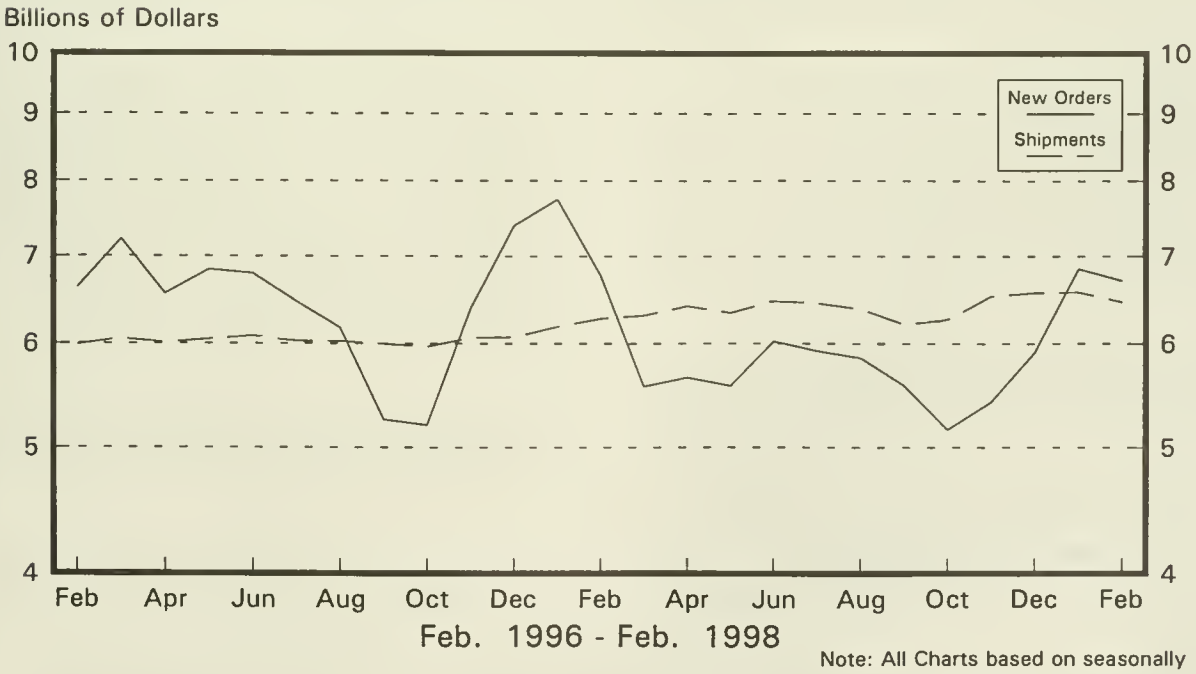
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
:onomics and Statistics Administration
JREAU OF THE CENSUS

March 1998
M3-1-(98)-03
For Wire Transmissions 10:00 a.m. E.S.T. May 6, 1998

For Data - (301) 457-4673
For Questions - Kathy Menth or Lee Wentela
(301) 457-4804 or (301) 457-4852

JUL 11 1998

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased $0.9 billion or 0.3 percent to $336.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.7 percent February decrease and is the second increase in the last three months and the eighth in the last ten months. Excluding transportation, new orders increased 0.4 percent, the third increase in the last four months. Year to date, new orders are 3.9 percent above the same period a year ago; first quarter new orders are 0.8 percent below fourth quarter 1997.

Shipments increased $2.6 billion or 0.8 percent to $340.5 billion, following a 1.3 percent February increase. This is the third increase in the last four months. Year to date, shipments are 4.8 percent above the same period a year ago; first quarter shipments are 0.8 percent above fourth quarter 1997.

Unfilled orders, down three of the last four months, decreased $4.3 billion or 0.8 percent to $538.7 billion, following a 0.5 percent February decrease. The unfilled orders-to-shipments ratio was 2.76, down from 2.82 in February.

Inventories increased $0.7 billion or 0.2 percent to $458.8 billion. This follows a 0.6 percent February increase and is the fourteenth increase in the last fifteen months. The inventories-to-shipments ratio was 1.35, down from 1.36 in February.

New Orders

New orders for manufactured durable goods in March increased $0.9 billion or 0.5 percent to $186.7 billion, revised from the previously published 0.4 percent increase. This follows a 0.9 percent February decrease and is the second increase in the last three months. Industrial machinery and equipment, up for the fourth consecutive month, had the largest increase, $0.8 billion or 2.1 percent to $37.4 billion. This follows a 3.3 percent February increase. Electronic and other electrical equipment, up three of the last four months, increased $0.7 billion or 2.4 percent to $31.6 billion, due to electronic components. This follows a 1.1 percent February decrease. Primary metals, down three of the last four months, decreased $0.7 billion or 4.3 percent to $14.8 billion, following a 2.8 percent February increase.

New orders for nondurable goods, down for the third consecutive month, decreased $0.1 billion to $149.5 billion, following a 0.5 percent February decrease. Decreases, led by chemicals and allied products, offset increases, led by printing and publishing.

Shipments

Shipments of durable goods in March increased $2.6 billion or 1.4 percent to $190.8 billion, unrevised from the previously published 1.4 percent increase. This follows a 2.8 percent February increase and is the third increase in the last four months. Transportation equipment, up for the second consecutive month, had the largest increase, $1.3 billion or 2.9 percent to $45.6 billion; led by motor vehicles and parts, all component industries increased. This follows a 4.0 percent February increase. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.8 billion or 2.3 percent to $36.9 billion. This follows a 1.3 percent February increase.

Shipments of nondurable goods, down for the third consecutive month, decreased slightly to $149.7 billion, following a 0.6 percent February decrease. Chemicals and allied products had the largest decline, and printing and publishing had the largest increase.

Unfilled Orders

Unfilled orders for durable goods in March decreased $4.1 billion or 0.8 percent to $513.1 billion, unrevised from the previously published 0.8 percent decrease. This follows a 0.5 percent February decrease and is the third decrease in the last four months. Transportation equipment, down three of the last four months, had the largest decrease, $3.6 billion or 1.4 percent to $258.9 billion, mostly due to aircraft and parts. This follows a 0.7 percent February decrease. Industrial machinery and equipment, up for the second consecutive month, increased $0.5 billion or 0.6 percent to $73.6 billion, following a 0.7 percent February increase.

Inventories

Inventories of durable goods in March increased $0.7 billion or 0.2 percent to $288.0 billion, following a 0.8 percent February increase. This is the fifth increase in the last six months and the thirteenth in the last fifteen months. Fabricated metal products had the largest increase, $0.3 billion or 1.0 percent to $29.9 billion. This follows a 1.0 percent February increase and is the seventeenth increase in the last eighteen months. Instruments and related products increased $0.2 billion or 0.9 percent to $25.4 billion. This follows a 0.3 percent February increase and is the fifth increase in the last six months.

Inventories of nondurable goods, down for the first month since January 1997, decreased slightly to $170.8 billion, following a 0.4 percent February increase. Petroleum and coal products had the largest decrease, $0.1 billion or 1.1 percent to $11.2 billion. This follows a 0.4 percent February increase and is the fourth decrease in the last five months.

By stage of fabrication, March finished goods increased 0.4 percent in durables and declined slightly in nondurables. Work in process increased 0.1 percent in durables and decreased 0.9 percent in nondurables. Materials and supplies increased 0.4 percent in durables and 0.4 percent in nondurables.

Our internet site address is: http://www.census.gov/ftp/pub/indicator/www/m3/index.htm

he advance report on durable goods for April is scheduled for May 28, 1998 at 10:00 a.m and the full report on June 4, 1998 at 10:00 a.m For sale by the Superintendent of Documents, .S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) 202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar. 98/97	1998[p]	19
All manufacturing industries	340,497	337,893	333,652	+0.8	+1.3	-0.9	357,763	335,123	299,635	337,516	+6.0	992,521	947,
Manufacturing Industries													
with unfilled orders	194,901	192,775	189,362	+1.1	+1.8	-0.5	208,191	190,776	166,452	191,778	+8.6	565,419	524,
without defense capital goods	333,772	331,335	327,141	+0.7	+1.3	-1.0	350,555	328,413	294,320	330,916	+5.9	973,288	929,
Durable goods industries	190,845	188,233	183,053	+1.4	+2.8	-1.2	206,498	188,734	160,029	189,274	+9.1	555,261	516,
With unfilled orders	156,819	154,922	150,999	+1.2	+2.6	-0.6	170,116	153,660	131,200	155,695	+9.3	454,976	419,
Stone, clay, and glass products	7,993	7,949	7,845	+0.6	+1.3	+0.4	7,821	7,340	6,746	7,269	+7.6	21,907	20,
Primary metals	15,460	15,506	15,378	-0.3	+0.8	+0.8	16,074	15,960	14,636	15,781	+1.9	46,670	45,
Blast furnaces, steel mills	6,305	6,305	6,287	0.0	+0.3	-0.3	6,510	6,552	6,132	6,402	+1.7	19,194	18,
Iron and steel foundries	1,680	1,666	1,529	+0.8	+9.0	-3.4	1,737	1,744	1,427	1,441	+20.5	4,908	4,
Nonferrous and other primary metals	7,475	7,535	7,562	-0.8	-0.4	+2.5	7,827	7,664	7,077	7,938	-1.4	22,568	22,
Fabricated metal products	19,939	19,945	19,237	0.0	+3.7	-0.7	20,659	20,137	17,448	19,111	+8.1	58,244	54,
Industrial machinery and equipment	36,934	36,091	35,623	+2.3	+1.3	+0.3	43,684	35,431	30,168	38,390	+13.8	109,283	97,
Engines and turbines	2,163	1,992	1,907	+8.6	+4.5	-1.3	2,552	1,979	1,574	2,082	+22.6	6,105	5,
Farm and garden machinery	2,131	2,120	2,149	+0.5	-1.3	+3.4	2,886	2,500	1,928	2,669	+8.1	7,314	6,
Construction, mining and material handling equipment	4,133	4,089	4,060	+1.1	+0.7	+1.5	4,625	4,340	3,678	4,132	+11.9	12,643	11,
Metalworking machinery	3,469	3,421	3,447	+1.4	-0.8	-0.1	3,709	3,258	2,678	3,554	+4.4	9,645	9,
Computer and office equipment	10,588	10,165	9,808	+4.2	+3.6	+1.9	14,072	8,859	7,436	11,645	+20.8	30,367	25,
Electronic and other electrical equipment	31,176	31,026	29,618	+0.5	+4.8	-3.2	33,518	30,235	25,053	31,505	+6.4	88,806	82,
Electrical transmission and distribution equipment and industrial apparatus	3,583	3,607	3,488	-0.7	+3.4	+2.5	3,898	3,703	3,034	3,405	+14.5	10,635	9,
Household appliances	2,159	2,197	2,152	-1.7	+2.1	-4.9	2,377	2,099	1,743	2,235	+6.4	6,219	5,
Electric lighting and wiring equipment	2,200	2,166	2,168	+1.6	-0.1	-2.3	2,367	2,239	1,918	2,208	+7.2	6,524	6,
Household audio and video equipment	1,373	1,348	1,337	+1.9	+0.8	-7.0	1,320	1,218	1,040	1,248	+5.8	3,578	3,
Communications equipment	7,082	7,080	6,741	0.0	+5.0	+1.0	7,899	6,481	4,964	6,944	+13.8	19,344	16,
Electronic components	12,620	12,582	11,735	+0.3	+7.2	-6.7	13,592	12,501	10,674	13,439	+1.1	36,767	34,
Transportation equipment	45,630	44,343	42,641	+2.9	+4.0	-1.9	49,460	47,205	37,388	44,037	+12.3	134,053	125,
Motor vehicles and parts	31,102	30,310	28,559	+2.6	+6.1	-4.4	33,465	33,510	26,465	29,940	+11.8	93,440	89,
Aircraft, missiles, space vehicles, and parts	11,357	11,258	11,555	+0.9	-2.6	+7.6	12,571	10,936	8,822	11,208	+12.2	32,329	27,
Shipbuilding and tanks	942	842	830	+11.9	+1.4	+0.1	999	851	607	893	+11.9	2,457	2,
Instruments and related products	13,659	13,621	13,359	+0.3	+2.0	-2.0	14,661	13,464	11,798	13,744	+6.7	39,923	37,
Search and navigation equipment	2,842	2,823	2,793	+0.7	+1.1	+4.0	3,078	2,931	2,448	2,766	+11.3	8,457	7,
Measuring and controlling devices	3,804	4,011	3,904	-5.2	+2.7	-0.9	4,095	3,962	3,468	4,093	0.0	11,525	11,
Medical instruments and supplies	4,523	4,368	4,367	+3.5	0.0	-1.6	4,916	4,317	3,936	4,436	+10.8	13,169	12,
Photographic goods	1,973	1,938	1,824	+1.8	+6.3	-12.1	2,042	1,807	1,516	2,018	+1.2	5,365	5,
All other durable goods	20,054	19,752	19,352	+1.5	+2.1	-1.8	20,621	18,962	16,792	19,437	+6.1	56,375	53,
Nondurable goods industries	149,652	149,660	150,599	0.0	-0.6	-0.5	151,265	146,389	139,606	148,242	+2.0	437,260	430,
With unfilled orders	38,082	37,853	38,363	+0.6	-1.3	-0.4	38,075	37,116	35,252	36,083	+5.5	110,443	104,
Food and kindred products	41,938	41,802	42,003	+0.3	-0.5	+2.0	42,403	40,483	39,149	40,406	+4.9	122,035	116,
Meat products	9,034	8,983	8,990	+0.6	-0.1	+1.8	8,994	8,696	8,281	8,925	+0.8	25,971	25,
Dairy products	6,072	6,058	5,825	+0.2	+4.0	+8.8	6,246	5,957	5,731	5,126	+21.8	17,934	14,
Beverages	5,990	6,181	6,222	-3.1	-0.7	+1.0	5,936	5,549	5,313	5,825	+1.9	16,798	15,
All other foods, except fats and oils	18,663	18,390	18,857	+1.5	-2.5	+2.2	19,048	18,091	17,715	18,486	+3.0	54,854	53,
Tobacco products	3,363	3,506	3,286	-4.1	+6.7	+2.1	3,493	3,481	2,924	3,283	+6.4	9,898	9,
Textile mill products	6,804	6,855	7,122	-0.7	-3.7	+3.4	7,229	6,651	6,154	7,241	-0.2	20,034	19,
Broadwoven fabrics and other textiles	4,256	4,219	4,329	+0.9	-2.5	+2.8	4,670	4,177	3,842	4,637	+0.7	12,689	12,
Paper and allied products	13,963	13,942	14,159	+0.2	-1.5	-1.5	14,044	13,945	13,614	13,203	+6.4	41,603	39,
Pulp, paper, and paperboard mill products	5,442	5,516	5,569	-1.3	-1.0	-0.6	5,459	5,502	5,320	5,374	+1.6	16,281	15,
Paperboard containers and boxes	3,473	3,442	3,538	+0.9	-2.7	-5.5	3,538	3,464	3,427	3,270	+8.2	10,429	9,
Miscellaneous converted paper products	5,048	4,984	5,052	+1.3	-1.3	+0.3	5,047	4,979	4,867	4,559	+10.7	14,893	13,
Chemicals and allied products	32,180	32,377	32,600	-0.6	-0.7	-1.3	33,644	31,903	31,181	33,611	+0.1	96,728	96,
Industrial chemicals	15,150	15,360	15,749	-1.4	-2.5	-1.9	15,673	15,571	15,014	16,550	-5.3	46,258	47,
Drugs, soaps, and toiletries	12,908	12,787	12,651	+0.9	+1.1	-1.0	13,398	12,142	12,452	12,646	+5.9	37,992	37,
Petroleum and coal products	13,171	13,210	13,467	-0.3	-1.9	-5.2	12,172	12,175	12,319	14,231	-14.5	36,666	44,
Rubber and plastics products	12,659	12,651	12,570	+0.1	+0.6	-3.4	13,172	12,795	11,673	12,754	+3.3	37,640	36,
All other nondurable goods	25,574	25,317	25,392	+1.0	-0.3	-0.4	25,108	24,956	22,592	23,513	+6.8	72,656	68,

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar. 98/97	1998[p]	1997
All manufacturing industries	336,226	335,335	337,758	+0.3	-0.7	+0.6	352,147	334,589	312,077	336,218	+4.7	998,813	963,038
anufacturing industries													
vith unfilled orders	190,630	190,217	193,468	+0.2	-1.7	+2.1	202,575	190,242	178,894	190,480	+6.3	571,711	540,043
vithout defense capital goods	331,362	329,995	330,220	+0.4	-0.1	+0.4	345,440	328,885	304,686	328,558	+5.1	979,011	944,461
rable goods industries	186,744	185,800	187,481	+0.5	-0.9	+1.6	200,523	188,217	172,456	186,908	+7.3	561,196	531,414
Vith unfilled orders	152,718	152,489	155,427	+0.2	-1.9	+2.9	164,141	153,143	143,627	153,329	+7.1	460,911	434,233
one, clay, and glass products	8,055	7,821	7,796	+3.0	+0.3	+0.1	7,893	7,360	6,926	7,288	+8.3	22,179	20,804
mary metals	14,817	15,482	15,065	-4.3	+2.8	-1.9	15,341	16,970	15,686	16,279	-5.8	47,997	48,779
Blast furnaces, steel mills	6,288	6,337	6,016	-0.8	+5.3	-9.6	6,446	7,040	6,732	6,292	+2.4	20,218	20,009
Iron and steel foundries	1,799	1,772	1,552	+1.5	+14.2	-7.9	1,949	1,998	1,556	1,602	+21.7	5,503	4,812
Nonferrous and other primary metals	6,730	7,373	7,497	-8.7	-1.7	+6.8	6,946	7,932	7,398	8,385	-17.2	22,276	23,958
bricated metal products	19,896	19,924	19,457	-0.1	+2.4	+0.7	20,566	20,246	17,904	19,225	+7.0	58,716	55,700
lustrial machinery and equipment	37,387	36,620	35,436	+2.1	+3.3	+2.3	43,240	36,090	31,008	37,436	+15.5	110,338	98,680
Engines and turbines	1,840	2,078	1,972	-11.5	+5.4	+16.5	1,859	1,782	1,528	1,815	+2.4	5,169	5,012
Construction, mining and material handling equipment	4,391	4,461	4,078	-1.6	+9.4	-5.0	5,077	4,828	4,117	4,312	+17.7	14,022	12,009
Metalworking machinery	3,584	3,559	3,471	+0.7	+2.5	+15.0	3,824	3,396	2,702	3,505	+9.1	9,922	9,537
Computer and office equipment	10,605	10,192	9,826	+4.1	+3.7	+3.7	13,882	9,045	7,391	11,161	+24.4	30,318	25,158
ctronic and other ectrical equipment	31,624	30,880	31,211	+2.4	-1.1	+2.1	32,069	29,897	29,913	29,379	+9.2	91,879	86,426
Electrical transmission and distribution equipment and industrial apparatus	3,527	3,632	3,367	-2.9	+7.9	-6.3	3,844	3,854	3,069	3,511	+9.5	10,767	9,979
Electric lighting and wiring equipment	2,173	2,389	2,185	-9.0	+9.3	-3.5	2,340	2,462	1,935	2,120	+10.4	6,737	6,167
Communications equipment	7,573	7,488	7,970	+1.1	-6.0	+28.9	8,386	6,914	6,163	7,256	+15.6	21,463	18,064
Electronic components	12,627	11,706	12,339	+7.9	-5.1	-3.5	11,916	11,236	13,839	11,031	+8.0	36,991	35,966
nsportation equipment	41,987	42,361	45,752	-0.9	-7.4	+7.0	46,949	45,436	41,970	43,874	+7.0	134,355	127,478
Aircraft, missiles, space vehicles, and parts.	7,922	9,495	14,552	-16.6	-34.8	+74.7	10,339	9,209	12,948	10,896	-5.1	32,496	29,875
Shipbuilding and tanks	950	583	919	+63.0	-36.6	-51.2	973	673	749	635	+53.2	2,395	1,659
ruments and related products	13,185	13,267	13,514	-0.6	-1.8	-3.8	14,082	13,515	12,006	13,804	+2.0	39,603	39,126
earch and navigation equipment	2,581	2,623	2,680	-1.6	-2.1	-4.8	2,978	2,882	2,285	3,153	-5.6	8,145	8,536
Measuring and controlling devices	3,744	3,882	4,063	-3.6	-4.5	-2.3	4,035	3,833	3,627	4,090	-1.3	11,495	11,363
Medical instruments and supplies	4,673	4,474	4,445	+4.4	+0.7	-3.0	4,699	4,500	4,208	3,928	+19.6	13,407	12,211
other durable goods	19,793	19,445	19,250	+1.8	+1.0	-3.5	20,383	18,703	17,043	19,623	+3.9	56,129	54,421
ndurable goods industries	149,482	149,535	150,277	0.0	-0.5	-0.7	151,624	146,372	139,621	149,310	+1.5	437,617	431,624
Vith unfilled orders	37,912	37,728	38,041	+0.5	-0.8	-1.1	38,434	37,099	35,267	37,151	+3.5	110,800	105,810

' Preliminary. ' Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), anufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar 98/9
All manufacturing industries	538,726	542,997	545,555	-0.8	-0.5	+0.8	541,640	547,256	547,790	527,661	+2.
Manufacturing industries without defense capital goods	436,601	439,011	440,351	-0.5	-0.3	+0.7	437,086	442,201	441,729	415,475	+5.
Durable goods industries	513,074	517,175	519,608	-0.8	-0.5	+0.9	516,122	522,097	522,614	502,060	+2.
Stone, clay, and glass products	6,393	6,331	6,459	+1.0	-2.0	-0.8	6,517	6,445	6,425	6,868	-5.
Primary metals	33,231	33,874	33,898	-1.9	-0.1	-0.9	34,664	35,397	34,387	31,382	+10.
Blast furnaces, steel mills	14,216	14,233	14,201	-0.1	+0.2	-1.9	14,916	14,980	14,492	12,582	+18.
Iron and steel foundries	5,797	5,678	5,572	+2.1	+1.9	+0.4	6,040	5,828	5,574	4,818	+25.
Nonferrous and other primary metals	13,218	13,963	14,125	-5.3	-1.1	-0.5	13,708	14,589	14,321	13,982	-2.
Fabricated metal products	27,205	27,248	27,269	-0.2	-0.1	+0.8	27,190	27,283	27,174	25,199	+7.
Industrial machinery and equipment	73,635	73,182	72,653	+0.6	+0.7	-0.3	73,963	74,407	73,748	73,707	+0.
Engines and turbines	11,539	11,862	11,776	-2.7	+0.7	+0.6	11,348	12,041	12,238	12,427	-8.
Construction, mining and material handling equipment	11,207	10,949	10,577	+2.4	+3.5	+0.2	11,757	11,305	10,817	9,417	+24.
Metalworking machinery	7,422	7,307	7,169	+1.6	+1.9	+0.3	7,422	7,307	7,169	8,560	-13.
Computer and office equipment	8,004	7,987	7,960	+0.2	+0.3	+0.2	7,678	7,868	7,682	9,229	-16.
Electronic and other electrical equipment	56,932	56,484	56,630	+0.8	-0.3	+2.9	55,934	57,383	57,721	52,046	+7.
Electrical transmission and distribution equipment and industrial apparatus	6,242	6,298	6,273	-0.9	+0.4	-1.9	6,353	6,407	6,256	6,830	-7
Electric lighting and wiring equipment	5,036	5,063	4,840	-0.5	+4.6	+0.4	5,036	5,063	4,840	4,383	+14
Communications equipment	16,406	15,915	15,507	+3.1	+2.6	+8.6	16,420	15,933	15,500	13,881	+18
Electronic components	23,040	23,033	23,909	0.0	-3.7	+2.6	21,923	23,599	24,864	21,085	+4
Transportation equipment	258,856	262,499	264,481	-1.4	-0.7	+1.2	261,027	263,538	265,307	258,204	+1
Aircraft, missiles, space vehicles, and parts	223,832	227,267	229,030	-1.5	-0.8	+1.3	225,759	227,991	229,718	225,300	+0
Shipbuilding and tanks	18,374	18,366	18,625	0.0	-1.4	+0.5	18,358	18,384	18,562	18,724	-2
Instruments and related products	48,170	48,644	48,998	-1.0	-0.7	+0.3	48,624	49,203	49,152	47,458	+2
Search and navigation equipment	28,004	28,265	28,465	-0.9	-0.7	-0.4	28,492	28,592	28,641	28,564	-0
Measuring and controlling devices	10,114	10,174	10,303	-0.6	-1.3	+1.6	10,114	10,174	10,303	9,967	+1
Medical instruments and supplies	8,642	8,492	8,386	+1.8	+1.3	+0.9	8,550	8,767	8,584	7,552	+13
All other durable goods	8,652	8,913	9,220	-2.9	-3.3	-1.1	8,203	8,441	8,700	7,196	+14
Nondurable goods industries	25,652	25,822	25,947	-0.7	-0.5	-1.2	25,518	25,159	25,176	25,601	-0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar. 98/97
All manufacturing industries	458,752	458,058	455,122	+0.2	+0.6	+0.3	457,878	461,124	453,306	438,034	+4.5
nufacturing industries											
th unfilled orders	304,408	303,900	301,754	+0.2	+0.7	+0.3	302,826	304,949	299,171	289,639	+4.6
thout defense capital goods	441,370	440,641	437,847	+0.2	+0.6	+0.3	440,575	443,776	436,308	421,927	+4.4
rable goods industries	287,956	287,243	285,065	+0.2	+0.8	+0.4	286,957	289,272	283,573	273,848	+4.8
/ith unfilled orders	264,244	263,824	261,716	+0.2	+0.8	+0.4	262,678	264,937	259,710	250,616	+4.8
ne, clay, and glass products	8,792	8,788	8,790	0.0	0.0	+0.4	9,000	9,009	8,785	8,887	+1.3
mary metals	24,595	24,754	25,109	-0.6	-1.4	0.0	24,580	24,879	25,258	24,848	-1.1
3last furnaces, steel mills	12,110	12,081	12,091	+0.2	-0.1	+0.1	11,965	12,154	12,330	12,088	-1.0
ron and steel foundries	1,631	1,637	1,667	-0.4	-1.8	+1.4	1,677	1,658	1,644	1,723	-2.7
Nonferrous and other primary metals	10,854	11,036	11,351	-1.6	-2.8	-0.3	10,938	11,067	11,284	11,037	-0.9
ricated metal products	29,897	29,606	29,303	+1.0	+1.0	+0.7	30,181	29,735	29,167	28,385	+6.3
ustrial machinery and equipment	61,301	61,351	60,396	-0.1	+1.6	-0.4	60,648	62,327	60,040	58,007	+4.6
ngines and turbines	4,142	4,193	4,110	-1.2	+2.0	+4.7	4,006	4,164	3,949	3,510	+14.1
arm and garden machinery	3,494	3,444	3,394	+1.5	+1.5	+1.6	3,718	3,824	3,715	3,296	+12.8
Construction, mining and material handling equipment	8,416	8,361	8,242	+0.7	+1.4	+0.6	8,512	8,493	8,244	7,666	+11.0
Metalworking machinery	7,279	7,263	7,156	+0.2	+1.5	-2.0	7,205	7,236	6,929	7,264	-0.8
Computer and office equipment	11,131	11,151	11,044	-0.2	+1.0	-3.4	10,376	11,408	10,832	11,040	-6.0
ctronic and other ectrical equipment	41,545	41,372	40,948	+0.4	+1.0	+1.1	40,943	41,345	40,466	38,631	+6.0
lectrical transmission and distribution equipment and ndustrial apparatus	5,264	5,288	5,293	-0.5	-0.1	+0.3	5,208	5,309	5,225	5,169	+0.8
lousehold appliances	2,625	2,598	2,550	+1.0	+1.9	+2.0	2,725	2,695	2,510	2,818	-3.3
lectric lighting and wiring equipment	3,405	3,414	3,429	-0.3	-0.4	+0.5	3,375	3,419	3,360	3,280	+2.9
lousehold audio and video equipment	1,332	1,369	1,388	-2.7	-1.4	-3.3	1,262	1,347	1,338	1,511	-16.5
ommunications equipment	11,080	11,207	11,152	-1.1	+0.5	+0.1	10,801	11,227	11,081	10,195	+5.9
lectronic components	14,556	14,191	13,824	+2.6	+2.7	+2.8	14,312	14,117	13,755	12,288	+16.5
nsportation equipment	68,942	68,878	68,203	+0.1	+1.0	+0.8	68,989	69,263	67,790	64,920	+6.3
lotor vehicles and parts	17,096	16,664	16,564	+2.6	+0.6	+0.9	17,251	16,727	16,565	16,918	+2.0
ircraft, missiles, space vehicles, and parts	47,020	47,242	46,648	-0.5	+1.3	+0.6	46,859	47,477	46,226	43,317	+8.2
hipbuilding and tanks	1,641	1,634	1,705	+0.4	-4.2	+1.2	1,688	1,672	1,733	1,749	-3.5
ruments and related products	25,418	25,191	25,125	+0.9	+0.3	+0.4	25,169	25,001	24,600	24,264	+3.7
earch and navigation equipment	6,280	6,211	6,222	+1.1	-0.2	-0.2	6,179	6,175	6,090	6,030	+2.5
leasuring and controlling devices	7,977	7,945	7,901	+0.4	+0.6	+0.6	7,949	7,916	7,783	7,652	+3.9
ledical instruments and supplies	8,034	7,925	7,923	+1.4	0.0	+0.5	7,938	7,873	7,818	7,674	+3.4
hotographic goods	2,409	2,405	2,382	+0.2	+1.0	+0.5	2,385	2,337	2,222	2,280	+4.6
other durable goods	27,466	27,303	27,191	+0.6	+0.4	+0.3	27,447	27,713	27,467	25,906	+5.9
durable goods industries	170,796	170,815	170,057	0.0	+0.4	+0.2	170,921	171,852	169,733	164,186	+4.1
/ith unfilled orders	40,164	40,076	40,038	+0.2	+0.1	-0.3	40,148	40,012	39,461	39,023	+2.9
d and kindred products	36,420	36,498	36,293	-0.2	+0.6	+1.1	36,051	36,694	36,630	34,431	+4.7
leat products	4,039	4,054	4,082	-0.4	-0.7	+5.6	4,100	4,126	4,022	3,784	+8.4
airy products	3,665	3,679	3,538	-0.4	+4.0	+7.4	3,623	3,600	3,452	3,113	+16.4
everages	7,313	7,225	7,231	+1.2	-0.1	+0.6	7,326	7,225	7,225	6,603	+10.9
ll other foods, except fats and oils	19,501	19,510	19,487	0.0	+0.1	-0.7	18,962	19,486	19,803	18,734	+1.2
acco products	6,278	6,250	6,318	+0.4	-1.1	+2.3	6,367	6,743	6,917	6,228	+2.2
tile mill products	10,338	10,339	10,306	0.0	+0.3	0.0	10,369	10,467	10,275	10,123	+2.4
roadwoven fabrics and other textiles	6,480	6,498	6,495	-0.3	0.0	0.0	6,476	6,612	6,528	6,286	+3.0
er and allied products	16,450	16,437	16,478	+0.1	-0.2	+0.6	16,655	16,641	16,570	16,249	+2.5
ulp, paper, and paperboard mill products	6,663	6,651	6,732	+0.2	-1.2	+0.6	6,761	6,794	6,808	6,675	+1.3
aperboard containers and boxes	4,153	4,107	4,074	+1.1	+0.8	+1.2	4,230	4,179	4,120	4,051	+4.4
liscellaneous converted paper products	5,634	5,679	5,672	-0.8	+0.1	+0.2	5,664	5,668	5,642	5,523	+2.6
micals and allied products	45,670	45,572	45,107	+0.2	+1.0	+1.6	46,050	46,126	44,898	42,022	+9.6
ndustrial chemicals	20,366	20,289	20,121	+0.4	+0.8	+0.3	20,434	20,593	20,329	19,587	+4.3
rugs, soaps, and toiletries	19,844	19,806	19,512	+0.2	+1.5	+3.2	19,694	19,640	18,858	16,779	+17.4
oleum and coal products	11,187	11,316	11,275	-1.1	+0.4	-6.9	11,066	11,016	10,965	12,524	-11.6
ber and plastics products	16,431	16,531	16,533	-0.6	0.0	+0.6	16,768	16,930	16,664	16,328	+2.7
other nondurable goods	28,022	27,872	27,747	+0.5	+0.5	-0.8	27,595	27,235	26,814	26,281	+5.0

Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar 1998[p]	Feb 1998[r]	Jan. 1998	Mar 1997	Mar. 98/97	1998[p]	199
SHIPMENTS													
All manufacturing industries	340,497	337,893	333,652	+0.8	+1.3	-0.9	357,763	335,123	299,635	337,516	+6.0	992,521	947,5
Market categories :													
Automotive equipment	15,226	14,782	13,995	+3 0	+5.6	-6.1	16,407	16,060	12,753	14,812	+10.8	45,220	43,8
Home goods and apparel	19,795	19,897	19,854	-0 5	+0 2	-0.5	20,621	19,646	16,600	19,456	+6.0	56,867	53,7
Consumer staples	70,026	69,943	69,954	+0.1	0.0	+0 6	70,305	67,145	65,415	68,207	+3.1	202,865	199,0
Machinery and equipment	64,678	63,289	61,969	+2.2	+2.1	-0.3	73,209	62,237	51,594	65,157	+12.4	187,040	167,7
Business supplies	26,029	25,634	25,805	+1 5	-0.7	-2.3	26,144	25,065	23,592	25,056	+4.3	74,801	72,9
Construction materials and supplies	21,435	21,236	20,926	+0.9	+1.5	-0.4	21,452	20,229	18,209	20,364	+5.3	59,890	57,7
Defense products	7,035	6,917	6,867	+1.7	+0.7	+2.5	7,528	7,117	5,707	7,011	+7.4	20,352	19,2
Other materials, supplies and and intermediate products	116,273	116,195	114,282	+0.1	+1.7	-1.5	122,097	117,624	105,765	117,453	+4.0	345,486	333,2
Durable goods industries :													
Nondefense capital goods [3]	51,034	49,936	49,169	+2.2	+1 6	+1 6	58,975	47,796	39,669	51,618	+14.3	146,440	127,6
Excluding aircraft and parts	43,412	42,315	41,274	+2.6	+2.5	0.0	50,392	40,534	33,725	44,117	+14.2	124,651	110,0
Defense capital goods [4]	6,725	6,558	6,511	+2.5	+0.7	+3.7	7,208	6,710	5,315	6,600	+9.2	19,233	18,0
Durables excluding capital goods	133,086	131,739	127,373	+1.0	+3.4	-2.5	140,315	134,228	115,045	131,056	+7.1	389,588	371,1
Miscellaneous series :													
Producers' durable equipment	123,744	121,515	117,959	+1.8	+3 0	-1.5	136,791	122,760	101,991	123,055	+11.2	361,542	332,7
Household durable goods	10,358	10,406	10,171	-0.5	+2.3	-2.5	11,158	10,012	8,356	10,388	+7.4	29,526	27,1
Information technology industries	24,115	23,913	23,019	+0.8	+3.9	-0.3	28,825	21,865	18,022	25,437	+13.3	68,712	60,6
Health care equipment and products	11,544	11,323	11,248	+2.0	+0.7	-1 2	12,205	10,935	10,700	11,317	+7.8	33,840	32,3
NEW ORDERS													
All manufacturing industries	336,226	335,335	337,758	+0.3	-0.7	+0.6	352,147	334,589	312,077	336,218	+4.7	998,813	963,0
Market categories :													
Automotive equipment	15,214	14,762	13,978	+3.1	+5 6	-6.3	16,376	16,058	12,845	14,842	+10.3	45,279	44,1
Home goods and apparel	19,230	19,546	19,410	-1.6	+0 7	-3 2	20,112	19,689	16,962	19,492	+3.2	56,763	54,3
Consumer staples	70,151	69,989	69,967	+0.2	0.0	+0 6	70,391	67,055	65,403	68,339	+3.0	202,849	198,9
Machinery and equipment	63,211	62,831	65,131	+0 6	-3.5	+8 6	71,014	62,381	56,171	63,780	+11.3	189,566	173,8
Business supplies	26,025	25,803	25,769	+0.9	+0.1	-1 9	26,116	25,195	23,601	25,298	+3.2	74,912	72,9
Construction materials and supplies	21,402	21,360	20,946	+0.2	+2.0	-0 7	21,457	20,504	18,495	20,371	+5.3	60,456	58,2
Defense products	5,051	5,656	7,933	-10 7	-28 7	+10 1	6,811	6,023	7,657	7,956	-14.4	20,491	19,3
Other materials, supplies and and intermediate products	115,942	115,388	114,624	+0.5	+0.7	-1.8	119,870	117,684	110,943	116,140	+3.2	348,497	341,3
Durable goods industries :													
Nondefense capital goods [3]	49,696	49,908	52,110	-0.4	-4.2	+13.5	56,811	48,110	43,910	50,171	+13.2	148,831	133,2
Excluding aircraft and parts	43,421	43,369	42,249	+0.1	+2.7	+2.7	49,575	41,930	36,000	43,978	+12.7	127,505	114,3
Defense capital goods [4]	4,864	5,340	7,538	-8 9	-29 2	+8 8	6,707	5,704	7,391	7,660	-12.4	19,802	18,5
Durables excluding capital goods	132,184	130,552	127,833	+1.3	+2.1	-2.9	137,005	134,403	121,155	129,077	+6.1	392,563	379,5
Miscellaneous series :													
Producers' durable equipment	121,932	120,543	121,026	+1 2	-0.4	+2.3	133,538	122,556	107,974	121,538	+9.9	364,068	340,8
Household durable goods	9,917	10,178	9,863	-2.6	+3 2	-5.2	10,567	9,954	8,614	10,316	+2.4	29,135	27,7
Information technology industries	24,478	24,132	24,485	+1 4	-1 4	+7 1	29,007	22,281	19,427	25,450	+14.0	70,715	62,7
Health care equipment and products	11,694	11,427	11,326	+2.3	+0 9	-1 8	11,988	11,117	10,971	10,811	+10.9	34,076	32,4

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and handling equipment, metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment, refrigeration, heating and industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components, and search and navigation equipment.

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar. 98/97
UNFILLED ORDERS											
ll manufacturing industries	538,726	542,997	545,555	-0.8	-0.5	+0.8	541,640	547,256	547,790	527,661	+2.6
rket categories :											
utomotive equipment	2,376	2,388	2,409	-0.5	-0.9	-0.7	2,419	2,451	2,453	2,447	-1.1
lome goods and apparel	9,009	9,574	9,925	-5.9	-3.5	-4.3	8,906	9,415	9,373	8,150	+9.3
onsumer staples	2,343	2,217	2,172	+5.7	+2.1	+0.6	2,107	2,021	2,111	2,000	+5.4
Iachinery and equipment	249,170	250,637	251,095	-0.6	-0.2	+1.3	249,425	251,620	251,476	234,669	+6.3
usiness supplies	6,869	6,873	6,704	-0.1	+2.5	-0.5	6,668	6,696	6,566	6,650	+0.3
onstruction materials and supplies	17,743	17,776	17,653	-0.2	+0.7	+0.1	17,874	17,869	17,593	16,633	+7.5
efense products	97,292	99,276	100,536	-2.0	-1.3	+1.1	99,592	100,309	101,403	107,145	-7.0
ther materials, supplies and and intermediate products	153,924	154,256	155,061	-0.2	-0.5	+0.2	154,649	156,875	156,815	149,967	+3.1
able goods industries :											
ondefense capital goods [3]	266,389	267,727	267,755	-0.5	0.0	+1.1	266,804	268,968	268,654	255,077	+4.6
Excluding aircraft and parts	103,822	103,813	102,759	0.0	+1.0	+1.0	104,237	105,054	103,658	98,033	+6.3
efense capital goods [4]	102,125	103,986	105,204	-1.8	-1.2	+1.0	104,554	105,055	106,061	112,186	-6.8
urables excluding capital goods	144,560	145,462	146,649	-0.6	-0.8	+0.3	144,764	148,074	147,899	134,797	+7.4
cellaneous series :											
oducers' durable equipment	288,899	290,711	291,683	-0.6	-0.3	+1.1	289,053	292,306	292,510	271,159	+6.6
ousehold durable goods	6,034	6,475	6,703	-6.8	-3.4	-4.4	5,836	6,427	6,485	5,313	+9.8
formation technology industries	40,008	39,645	39,426	+0.9	+0.6	+3.9	39,722	39,540	39,124	37,130	+7.0
ealth care equipment and products	8,686	8,536	8,432	+1.8	+1.2	+0.9	8,592	8,808	8,627	7,585	+13.3
TOTAL INVENTORIES											
manufacturing industries	458,752	458,058	455,122	+0.2	+0.6	+0.3	457,878	461,124	453,306	438,034	+4.5
ket categories :											
utomotive equipment	8,419	8,264	8,257	+1.9	+0.1	+0.7	8,532	8,356	8,193	8,295	+2.9
ome goods and apparel	33,190	32,956	32,736	+0.7	+0.7	+0.3	32,950	32,847	32,348	31,341	+5.1
onsumer staples	71,925	71,913	71,472	0.0	+0.6	+0.7	71,387	72,077	71,330	67,338	+6.0
achinery and equipment	115,031	115,095	114,355	-0.1	+0.6	+0.2	114,108	116,337	113,367	108,483	+5.2
usiness supplies	27,210	27,157	27,040	+0.2	+0.4	-1.0	27,247	27,098	26,566	26,362	+3.4
onstruction materials and supplies	27,639	27,644	27,658	0.0	-0.1	+0.2	27,917	27,977	27,644	27,290	+2.3
efense products	16,882	16,923	16,810	-0.2	+0.7	+1.5	16,808	16,869	16,618	15,810	+6.3
her materials, supplies and and intermediate products	158,456	158,106	156,794	+0.2	+0.8	+0.4	158,929	159,563	157,240	153,115	+3.8
able goods industries :											
ondefense capital goods [3]	108,535	109,068	108,034	-0.5	+1.0	0.0	107,180	110,009	106,950	102,293	+4.8
Excluding aircraft and parts	72,776	73,091	72,470	-0.4	+0.9	-0.2	71,539	73,708	71,576	68,940	+3.8
efense capital goods [4]	17,382	17,417	17,275	-0.2	+0.8	+1.1	17,303	17,348	16,998	16,107	+7.4
urables excluding capital goods	162,039	160,758	159,756	+0.8	+0.6	+0.6	162,474	161,915	159,625	155,448	+4.5
cellaneous series :											
oducers' durable equipment	185,644	184,686	183,782	+0.5	+0.5	+0.4	184,657	186,128	182,440	176,508	+4.6
ousehold durable goods	16,524	16,393	16,282	+0.8	+0.7	+0.8	16,456	16,531	16,203	15,719	+4.7
formation technology industries	34,788	34,822	34,576	-0.1	+0.7	-1.0	33,707	35,003	33,998	33,174	+1.6
ealth care equipment and products	18,787	18,660	18,501	+0.7	+0.9	+2.0	18,613	18,523	18,049	16,783	+10.9

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Mar. 1997	Mar 98/9
MATERIALS AND SUPPLIES											
All manufacturing industries	151,812	151,236	150,116	+0.4	+0.7	+0.8	151,125	151,814	151,084	145,262	+4
Durable goods industries	89,088	88,772	88,051	+0.4	+0.8	+0.9	87,963	88,852	88,613	83,870	+4
Stone, clay, and glass products	2,916	2,914	2,951	+0.1	-1.3	-0.7	2,883	2,914	2,959	2,856	+0
Primary metals	7,836	7,831	7,908	+0.1	-1.0	-1.5	7,607	7,789	8,034	7,731	-1
Fabricated metal products	10,866	10,808	10,659	+0.5	+1.4	+0.7	10,871	10,812	10,786	10,452	+4
Industrial machinery and equipment	18,692	18,559	18,299	+0.7	+1.4	+0.2	18,294	18,653	18,157	17,648	+3
Electronic and other electrical equipment	14,143	14,194	14,198	-0.4	0.0	+2.0	13,968	14,062	14,130	13,420	+4
Transportation equipment	15,344	15,329	15,021	+0.1	+2.1	+2.5	15,320	15,382	15,170	14,040	+9
Instruments and related products	8,870	8,725	8,652	+1.7	+0.8	+1.3	8,840	8,649	8,667	8,013	+10
Lumber, furniture and miscellaneous durable goods	10,421	10,412	10,363	+0.1	+0.5	+0.1	10,180	10,591	10,710	9,710	+4
Nondurable goods industries	62,724	62,464	62,065	+0.4	+0.6	+0.7	63,162	62,962	62,471	61,392	+2
Food and kindred products	11,364	11,368	11,179	0.0	+1.7	+0.6	11,518	11,606	11,450	11,481	+0
Tobacco products	5,241	5,257	5,361	-0.3	-1.9	+3.5	5,396	5,567	5,770	5,296	+1
Textile mill products	3,059	3,047	3,045	+0.4	+0.1	-0.6	3,109	3,098	3,046	3,253	-4
Paper and allied products	8,038	7,960	7,993	+1.0	-0.4	+1.2	8,112	8,035	8,028	7,935	+2
Chemicals and allied products	15,100	15,024	14,888	+0.5	+0.9	+2.4	15,088	15,028	14,794	14,060	+7
Petroleum and coal products	3,476	3,556	3,507	-2.2	+1.4	-2.6	3,514	3,466	3,396	3,758	-6
Rubber and plastics products	6,453	6,466	6,426	-0.2	+0.6	+0.7	6,482	6,532	6,464	6,214	+4
Apparel, printing and publishing and leather goods	9,993	9,786	9,666	+2.1	+1.2	-1.7	9,943	9,630	9,523	9,395	+5
WORK IN PROCESS											
All manufacturing industries	146,294	146,461	145,499	-0.1	+0.7	-0.2	145,576	146,784	144,103	138,359	+5
Durable goods industries	117,085	117,000	116,222	+0.1	+0.7	-0.1	116,757	117,422	114,965	111,491	+4
Stone, clay, and glass products	1,279	1,299	1,291	-1.5	+0.6	+3.2	1,370	1,385	1,266	1,358	+0
Primary metals	8,652	8,796	8,972	-1.6	-2.0	+1.1	8,741	8,799	8,924	8,878	-
Fabricated metal products	8,380	8,081	8,102	+3.7	-0.3	-0.4	8,361	7,975	8,025	7,805	+7
Industrial machinery and equipment	23,321	23,527	23,203	-0.9	+1.4	-1.7	23,101	23,709	22,846	22,256	+7
Electronic and other electrical equipment	15,829	15,820	15,603	+0.1	+1.4	+1.1	15,726	15,950	15,402	14,673	+7
Transportation equipment	44,470	44,545	44,174	-0.2	+0.8	+0.3	44,384	44,740	43,928	41,595	+6
Instruments and related products	9,892	9,797	9,814	+1.0	-0.2	-0.4	9,795	9,743	9,562	9,880	-4
Lumber, furniture and miscellaneous durable goods	5,262	5,135	5,063	+2.5	+1.4	-2.1	5,279	5,121	5,012	5,046	+4
Nondurable goods industries	29,209	29,461	29,277	-0.9	+0.6	-0.7	28,819	29,362	29,138	26,868	+7
Food and kindred products	5,325	5,373	5,382	-0.9	-0.2	-1.9	5,189	5,371	5,610	4,830	+7
Tobacco products	170	159	137	+6.9	+16.1	+8.7	156	156	149	206	-24
Textile mill products	2,593	2,611	2,617	-0.7	-0.2	-1.2	2,587	2,612	2,617	2,494	+3
Paper and allied products	1,849	1,895	1,894	-2.4	+0.1	+1.5	1,850	1,910	1,921	1,689	+9
Chemicals and allied products	8,624	8,587	8,497	+0.4	+1.1	+0.2	8,529	8,567	8,391	7,037	+2
Petroleum and coal products	2,529	2,564	2,447	-1.4	+4.8	-3.8	2,525	2,533	2,392	2,807	-10
Rubber and plastics products	2,267	2,251	2,231	+0.7	+0.9	0.0	2,271	2,297	2,263	2,172	+4
Apparel, printing and publishing and leather goods	5,852	6,021	6,072	-2.8	-0.8	-0.3	5,712	5,916	5,795	5,633	+1
FINISHED GOODS											
All manufacturing industries	160,646	160,361	159,507	+0.2	+0.5	+0.4	161,177	162,526	158,119	154,413	+4
Durable goods industries	81,783	81,471	80,792	+0.4	+0.8	+0.7	82,237	82,998	79,995	78,487	+4
Stone, clay, and glass products	4,597	4,575	4,548	+0.5	+0.6	+0.2	4,747	4,710	4,560	4,673	+1
Primary metals	8,107	8,127	8,229	-0.2	-1.2	+0.3	8,232	8,291	8,300	8,239	-0
Fabricated metal products	10,651	10,717	10,542	-0.6	+1.7	+1.6	10,949	10,948	10,356	10,128	+8
Industrial machinery and equipment	19,288	19,265	18,894	+0.1	+2.0	+0.5	19,253	19,965	19,037	18,103	+6
Electronic and other electrical equipment	11,573	11,358	11,147	+1.9	+1.9	0.0	11,249	11,333	10,934	10,538	+6
Transportation equipment	9,128	9,004	9,008	+1.4	0.0	+0.3	9,285	9,141	8,692	9,285	0
Instruments and related products	6,656	6,669	6,659	-0.2	+0.2	+0.4	6,534	6,609	6,371	6,371	+2
Lumber, furniture and miscellaneous durable goods	11,783	11,756	11,765	+0.2	-0.1	+1.6	11,988	12,001	11,745	11,150	+7
Nondurable goods industries	78,863	78,890	78,715	0.0	+0.2	+0.1	78,940	79,528	78,124	75,926	+4
Food and kindred products	19,731	19,757	19,732	-0.1	+0.1	+2.3	19,344	19,717	19,570	18,120	+6
Tobacco products	867	834	820	+4.0	+1.7	-5.5	815	1,020	998	726	+12
Textile mill products	4,686	4,681	4,644	+0.1	+0.8	+1.1	4,673	4,757	4,612	4,376	+6
Paper and allied products	6,563	6,582	6,591	-0.3	-0.1	-0.4	6,693	6,696	6,621	6,625	+1
Chemicals and allied products	21,946	21,961	21,722	-0.1	+1.1	+1.6	22,433	22,531	21,713	20,925	+7
Petroleum and coal products	5,182	5,196	5,321	-0.3	-2.3	-10.8	5,027	5,017	5,177	5,959	-15
Rubber and plastics products	7,711	7,814	7,876	-1.3	-0.8	+0.6	8,015	8,101	7,937	7,942	+0
Apparel, printing and publishing and leather goods	12,177	12,065	12,009	+0.9	+0.5	-0.4	11,940	11,689	11,496	11,253	+6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Dec. 1997	Mar. 1998[p]	Feb. 1998[r]	Jan. 1998	Dec. 1997
l manufacturing industries	1.35	1.36	1.36	1.35	2.76	2.82	2.88	2.84
ble goods industries	1.51	1.53	1.56	1.53	3.27	3.34	3.44	3.39
ne, clay, and glass products	1.10	1.11	1.12	1.12	0.84	0.84	0.86	0.88
nary metals	1.59	1.60	1.63	1.65	2.15	2.18	2.20	2.24
bricated metal products	1.50	1.48	1.52	1.50	1.45	1.45	1.51	1.48
ustrial machinery and equipment	1.66	1.70	1.70	1.71	2.12	2.15	2.17	2.18
ctronic and other ectrical equipment	1.33	1.33	1.38	1.32	1.83	1.82	1.91	1.80
nsportation equipment	1.51	1.55	1.60	1.56	10.61	11.00	11.35	11.51
ruments and related products	1.86	1.85	1.88	1.84	3.53	3.57	3.67	3.58
urable goods industries	1.14	1.14	1.13	1.12	0.67	0.68	0.68	0.68
d and kindred products	0.87	0.87	0.86	0.87	(X)	(X)	(X)	(X)
acco products	1.87	1.78	1.92	1.92	(X)	(X)	(X)	(X)
tile mill products	1.52	1.51	1.45	1.50	(NA)	(NA)	(NA)	(NA)
er and allied products	1.18	1.18	1.16	1.14	(NA)	(NA)	(NA)	(NA)
micals and allied products	1.42	1.41	1.38	1.34	(X)	(X)	(X)	(X)
oleum and coal products	0.85	0.86	0.84	0.85	(X)	(X)	(X)	(X)
ber and plastics products	1.30	1.31	1.32	1.26	(X)	(X)	(X)	(X)

Preliminary. ' Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; r vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; leum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1998	Mar.[2] 1993-1997	Mar. 1997-Feb. 1998	Mar.[1] 1998	Mar.[2] 1993-1997	Mar. 1997-Feb. 1998	Mar.[1] 1998	Mar.[2] 1993-1997	Mar. 1997-Feb. 1998	Mar.[1] 1998	Mar.[2] 1993-1997	Mar. 1997-Feb. 1998
manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.0	0.1
e goods industries	0.0	0.2	0.2	0.1	0.3	0.3	0.0	0.1	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.6	0.3	(X)	1.1	1.0	(X)	0.5	0.9	(X)	0.1	0.2
ary metals	0.3	0.5	0.2	0.1	0.6	0.6	-0.1	0.3	0.3	(X)	0.1	0.0
cated metal products	(X)	0.4	0.3	(X)	0.6	0.6	(X)	0.3	0.3	(X)	0.2	0.1
strial machinery and equipment	0.3	0.2	0.4	0.2	0.6	0.7	-0.1	0.2	0.2	(X)	0.1	0.1
ronic and other ctrical equipment	0.3	0.2	0.5	0.4	0.7	1.0	0.0	0.4	0.5	(X)	0.2	0.1
sportation equipment	-0.4	0.6	0.5	0.5	1.1	0.9	0.1	0.1	0.1	(X)	0.0	0.3
uments and related products	(X)	0.3	0.5	(X)	0.3	1.3	(X)	0.1	0.3	(X)	0.1	0.2
rable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.1	0.1
and kindred products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
cco products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
le mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
r and allied products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
nicals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
leum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
er and plastics products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
l goods industries :												
lefense	-0.3	0.2	0.4	0.4	0.7	0.7	0.0	0.1	0.1	(X)	0.1	0.2
nse	0.0	0.3	0.9	-0.3	2.0	2.0	0.0	0.1	0.1	(X)	0.1	0.2

) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the le goods industries are shown in the advance report for the month.

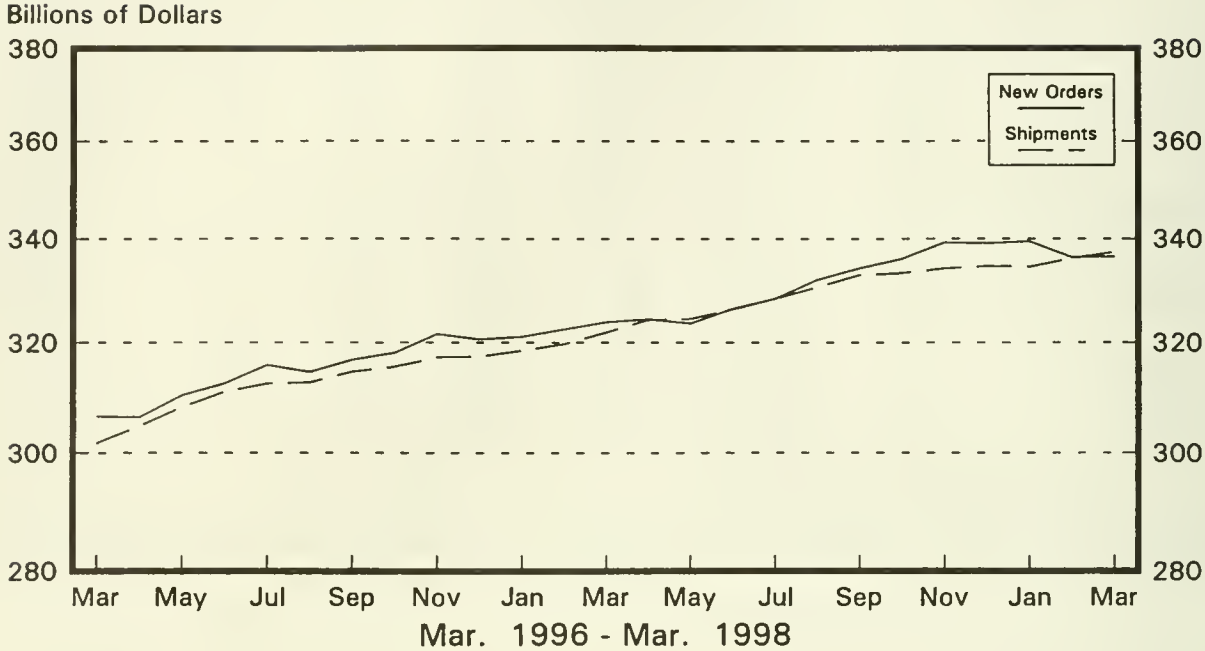
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision.

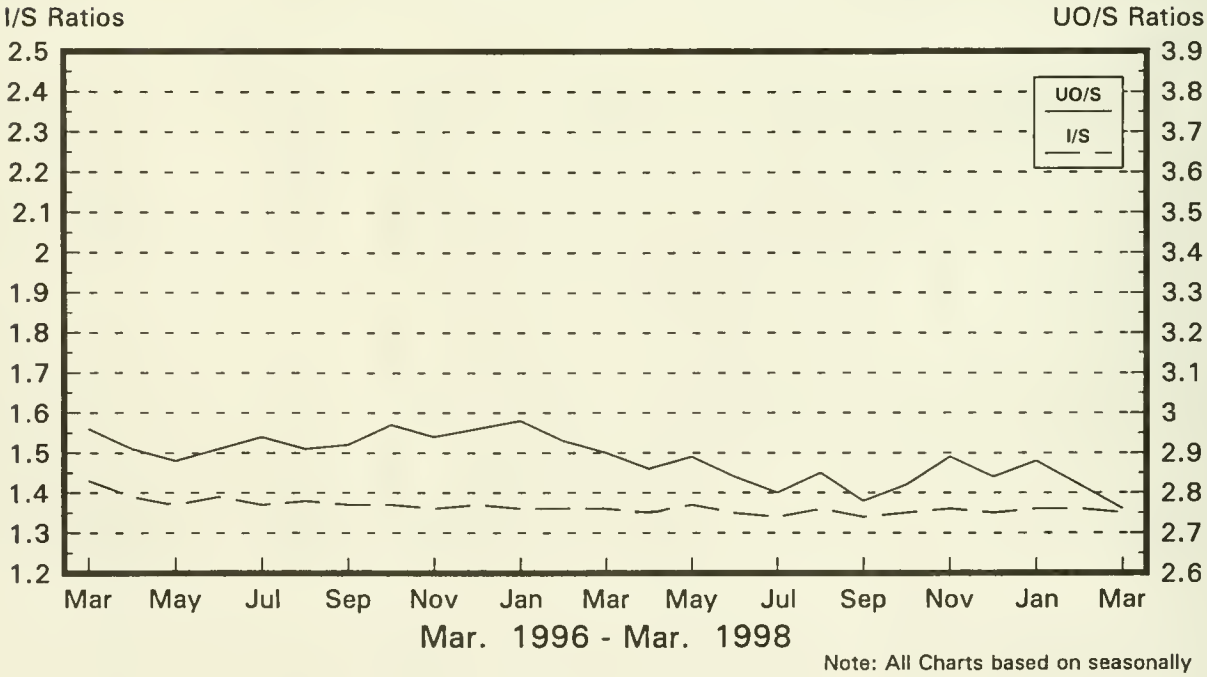
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

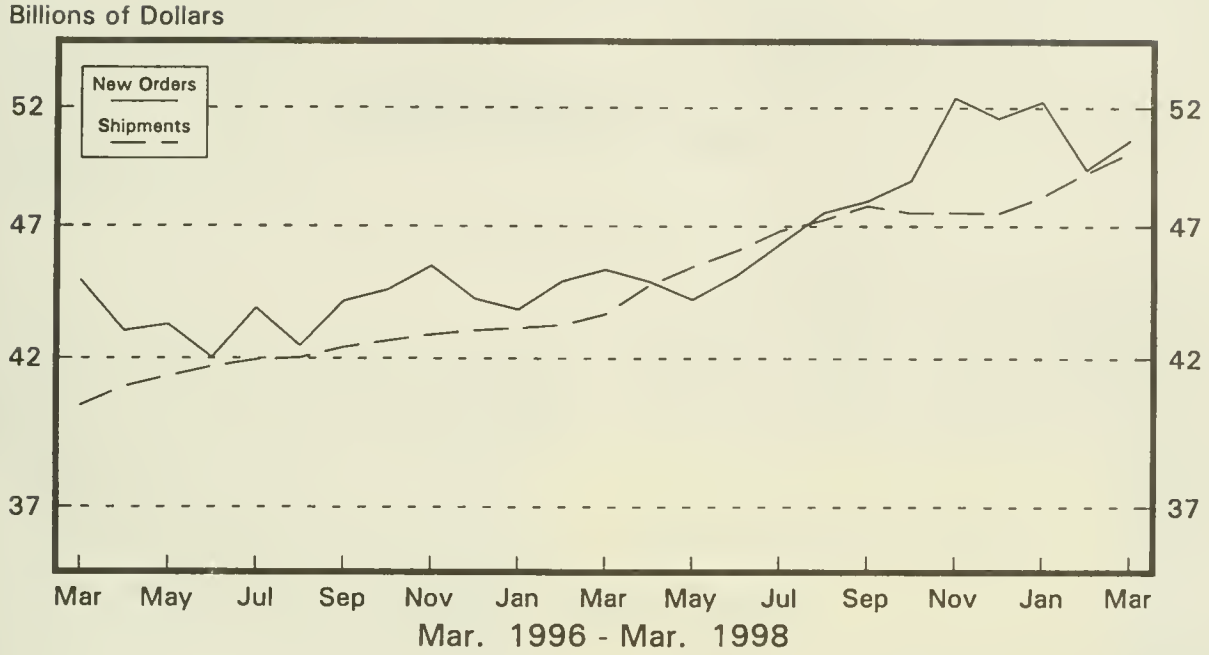
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

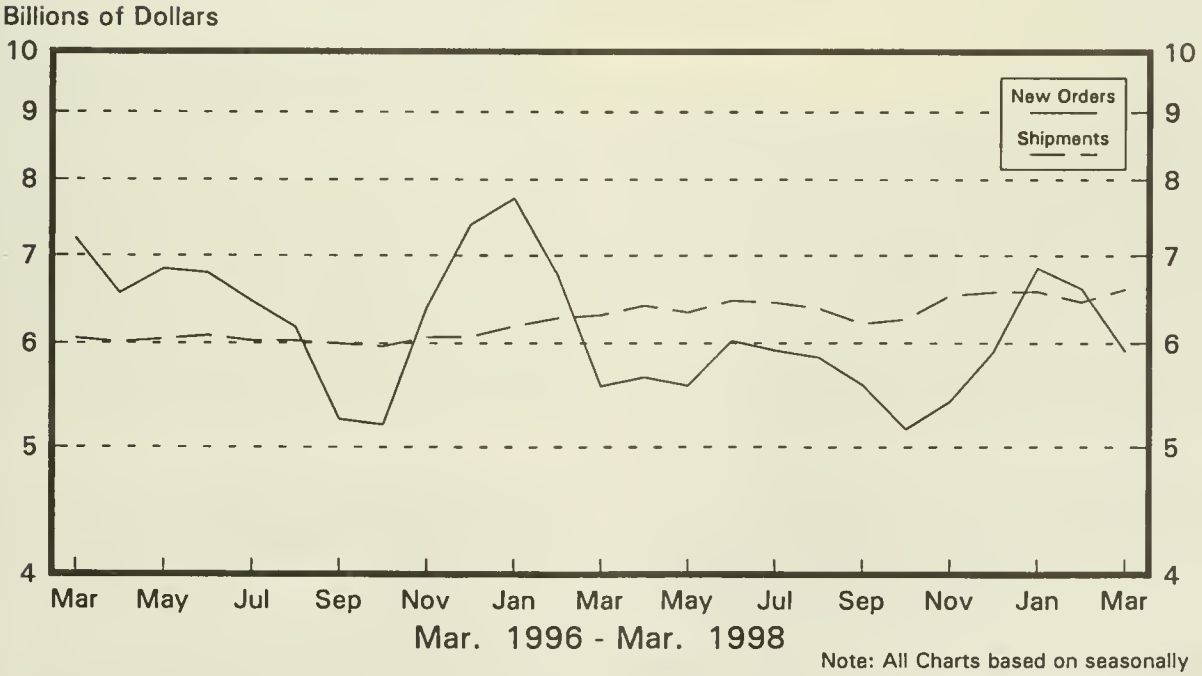
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to da	
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	June 98/97	1998[p]	
All manufacturing industries	334,650	333,622	335,553	+0.3	-0.6	-1.0	357,930	333,343	332,551	349,240	+2.5	2,013,535	1,93
Manufacturing Industries													
with unfilled orders	192,886	191,363	192,192	+0.8	-0.4	-1.2	210,278	188,024	187,277	201,257	+4.5	1,151,602	1,08
without defense capital goods	328,378	327,064	328,808	+0.4	-0.5	-1.1	351,093	326,970	326,101	342,071	+2.6	1,974,894	1,90
Durable goods industries	186,299	185,789	186,843	+0.3	-0.6	-1.7	204,090	185,809	184,959	197,434	+3.4	1,129,172	1,06
With unfilled orders	155,206	153,590	154,463	+1.1	-0.6	-1.5	171,696	151,387	150,369	164,027	+4.7	929,814	87
Stone, clay, and glass products	8,054	7,982	7,899	+0.9	+1.1	+0.3	8,712	8,258	8,113	8,090	+7.7	46,709	4
Primary metals	15,153	15,176	15,523	-0.2	-2.2	-0.9	15,943	15,551	16,098	16,656	-4.3	95,285	9
Blast furnaces, steel mills	6,142	6,200	6,358	-0.9	-2.5	-1.3	6,426	6,355	6,583	6,784	-5.3	39,177	3
Iron and steel foundries	1,456	1,479	1,513	-1.6	-2.2	-4.3	1,558	1,570	1,602	1,467	+6.2	9,377	
Nonferrous and other primary metals	7,555	7,497	7,652	+0.8	-2.0	+0.2	7,959	7,626	7,913	8,405	-5.3	46,731	4
Fabricated metal products	19,722	19,745	19,570	-0.1	+0.9	-0.9	20,985	20,167	19,748	19,983	+5.0	118,767	11
Industrial machinery and equipment	37,757	36,561	36,898	+3.3	-0.9	+0.1	44,593	35,449	35,439	40,108	+11.2	224,977	20
Engines and turbines	2,307	2,276	2,149	+1.4	+5.9	-6.7	2,829	2,211	2,024	2,364	+19.7	13,569	1
Farm and garden machinery	2,175	2,118	2,182	+2.7	-2.9	+6.4	2,224	2,498	2,969	1,947	+14.2	14,686	1
Construction, mining and material handling equipment	4,525	4,268	4,155	+6.0	+2.7	+0.7	4,936	4,314	4,275	4,041	+22.1	26,132	2
Metalworking machinery	3,425	3,414	3,494	+0.3	-2.3	+0.4	3,828	3,347	3,271	3,963	-3.4	20,105	1
Computer and office equipment	11,114	10,422	10,826	+6.6	-3.7	+2.2	15,119	8,825	8,420	12,636	+19.7	62,963	5
Electronic and other electrical equipment	30,597	29,767	30,056	+2.8	-1.0	-2.5	33,567	28,523	27,883	32,148	+4.4	178,213	16
Electrical transmission and distribution equipment and industrial apparatus	3,578	3,522	3,505	+1.6	+0.5	-4.5	3,986	3,448	3,479	3,812	+4.6	21,913	1
Household appliances	2,117	2,051	2,026	+3.2	+1.2	-0.6	2,467	2,050	2,006	2,268	+8.8	12,412	
Electric lighting and wiring equipment	2,193	2,212	2,240	-0.9	-1.3	0.0	2,241	2,193	2,155	2,207	+1.5	13,247	
Household audio and video equipment	1,042	1,030	1,084	+1.2	-5.0	+1.5	956	869	891	967	-1.1	5,501	
Communications equipment	7,260	6,977	6,714	+4.1	+3.9	-5.0	8,503	6,362	5,757	7,489	+13.5	39,987	
Electronic components	12,367	11,818	12,383	+4.6	-4.6	-1.1	13,272	11,449	11,664	12,962	+2.4	72,935	
Transportation equipment	40,927	43,562	43,863	-6.0	-0.7	-3.0	43,089	45,533	45,528	44,901	-4.0	266,409	2
Motor vehicles and parts	26,898	29,461	29,730	-8.7	-0.9	-2.9	27,642	31,928	31,657	30,065	-8.1	183,306	1
Aircraft, missiles, space vehicles, and parts.	10,642	11,202	11,109	-5.0	+0.8	-1.5	11,788	10,733	10,768	11,537	+2.2	64,818	
Shipbuilding and tanks	917	849	1,070	+8.0	-20.7	+11.2	1,021	828	1,092	1,039	-1.7	5,403	
Instruments and related products	14,147	13,787	13,836	+2.6	-0.4	-2.1	15,572	13,510	13,226	14,985	+3.9	83,578	
Search and navigation equipment	3,027	2,957	3,029	+2.4	-2.4	+1.9	3,320	2,849	2,966	3,055	+8.7	17,968	
Measuring and controlling devices	4,013	4,150	4,062	-3.3	+2.2	-0.5	4,300	4,134	3,844	4,597	-6.5	24,648	
Medical instruments and supplies	4,666	4,299	4,412	+8.5	-2.6	-3.7	5,161	4,119	4,135	4,682	+10.2	26,728	
Photographic goods	1,973	1,924	1,903	+2.5	+1.1	-5.3	2,274	1,945	1,844	2,187	+4.0	11,488	
All other durable goods	19,942	19,209	19,198	+3.8	+0.1	-2.4	21,629	18,818	18,924	20,563	+5.2	115,234	1
Nondurable goods industries	148,351	147,833	148,710	+0.4	-0.6	-0.2	153,840	147,534	147,592	151,806	+1.3	884,363	8
With unfilled orders	37,680	37,773	37,729	-0.2	+0.1	-0.1	38,582	36,637	36,908	37,230	+3.6	221,788	2
Food and kindred products	40,602	40,143	40,604	+1.1	-1.1	-0.2	41,538	40,236	39,670	39,884	+4.1	240,341	2
Meat products	8,897	8,812	8,733	+1.0	+0.9	+0.2	9,110	9,012	8,562	8,742	+4.2	51,877	
Dairy products	6,127	5,963	5,933	+2.8	+0.5	-0.4	6,320	6,054	5,769	4,976	+27.0	35,777	
Beverages	6,122	6,053	6,075	+1.1	-0.4	+1.6	6,931	6,475	6,071	6,471	+7.1	36,184	
All other foods, except fats and oils	17,417	17,247	17,798	+1.0	-3.1	-0.4	17,138	16,627	17,203	17,807	-3.8	103,932	1
Tobacco products	3,550	3,421	3,393	+3.8	+0.8	+1.7	3,677	3,431	3,215	3,218	+14.3	20,218	
Textile mill products	6,623	6,745	6,806	-1.8	-0.9	-1.2	7,264	6,773	6,486	7,624	-4.7	40,978	
Broadwoven fabrics and other textiles	4,041	4,052	4,098	-0.3	-1.1	-4.0	4,354	4,112	3,946	4,521	-3.7	25,308	
Paper and allied products	13,873	13,938	13,937	-0.5	0.0	-0.1	14,475	13,801	13,717	13,832	+4.6	83,567	
Pulp, paper, and paperboard mill products	5,295	5,351	5,435	-1.0	-1.5	-0.6	5,472	5,248	5,341	5,349	+2.3	32,532	
Paperboard containers and boxes	3,674	3,632	3,593	+1.2	+1.1	-0.1	3,774	3,677	3,626	3,360	+12.3	21,778	
Miscellaneous converted paper products	4,904	4,955	4,909	-1.0	+0.9	+0.3	5,229	4,876	4,750	5,123	+2.1	29,257	
Chemicals and allied products	32,828	32,501	32,380	+1.0	+0.4	-1.0	34,658	32,920	33,541	34,126	+1.6	198,886	1
Industrial chemicals	15,155	15,059	14,989	+0.6	+0.5	-1.9	15,927	15,228	15,332	16,875	-5.6	93,191	
Drugs, soaps, and toiletries	13,785	13,505	13,439	+2.1	+0.5	-0.7	14,318	12,595	12,686	12,880	+11.2	78,905	
Petroleum and coal products	12,437	12,599	12,782	-1.3	-1.4	-1.0	12,983	13,175	12,725	15,172	-14.4	74,443	
Rubber and plastics products	12,989	13,045	13,203	-0.4	-1.2	+0.1	13,825	13,478	13,636	13,704	+0.9	80,197	
All other nondurable goods	25,449	25,441	25,605	0.0	-0.6	+1.1	25,420	23,720	24,602	24,246	+4.8	145,733	1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	June 98/97	1998[p]	1997
All manufacturing industries	330,454	330,233	337,502	+0.1	-2.2	+0.8	348,833	327,550	336,909	346,439	+0.7	2,008,983	1,949,753
nufacturing industries													
ith unfilled orders	188,690	187,974	194,141	+0.4	-3.2	+2.0	201,181	182,231	191,635	198,456	+1.4	1,147,050	1,095,812
ithout defense capital goods	324,841	324,836	330,637	0.0	-1.8	+0.4	343,350	323,354	330,096	340,069	+1.0	1,972,954	1,915,607
rable goods industries	182,517	182,777	188,921	-0.1	-3.3	+1.6	195,331	180,165	189,159	194,270	+0.5	1,124,642	1,076,633
Vith unfilled orders	151,424	150,578	156,541	+0.6	-3.8	+2.5	162,937	145,743	154,569	160,863	+1.3	925,284	883,083
ne, clay, and glass products	8,193	7,919	7,871	+3.5	+0.6	-0.7	8,864	8,109	8,109	8,079	+9.7	46,987	44,064
mary metals	14,560	14,940	15,451	-2.5	-3.3	+5.1	14,558	14,642	15,576	16,136	-9.8	93,805	98,965
Blast furnaces, steel mills	5,923	6,286	6,095	-5.8	+3.1	-3.0	5,662	6,172	6,091	6,602	-14.2	38,756	40,675
ron and steel foundries	1,277	1,486	1,465	-14.1	+1.4	-15.0	1,313	1,481	1,484	1,558	-15.7	9,542	9,072
Nonferrous and other primary metals	7,360	7,168	7,891	+2.7	-9.2	+18.0	7,583	6,989	8,001	7,976	-4.9	45,507	49,218
bricated metal products	19,710	19,630	20,001	+0.4	-1.9	+1.5	20,955	20,089	20,228	20,499	+2.2	119,582	114,004
ustrial machinery and equipment	36,833	36,244	36,889	+1.6	-1.7	-1.5	42,775	34,900	35,252	37,837	+13.1	223,550	202,549
Engines and turbines	1,931	2,013	2,443	-4.1	-17.6	+20.6	2,498	1,877	1,991	2,022	+23.5	11,921	10,362
Construction, mining and material handling equipment	4,585	4,356	4,241	+5.3	+2.7	-3.3	4,728	4,197	4,232	3,966	+19.2	27,132	23,586
Metalworking machinery	3,323	3,373	3,450	-1.5	-2.2	-5.0	3,726	3,306	3,227	3,491	+6.7	20,233	19,575
Computer and office equipment	11,181	10,447	10,710	+7.0	-2.5	+0.7	15,037	9,112	8,538	11,799	+27.4	63,310	52,537
ctronic and other ectrical equipment	29,558	29,144	31,707	+1.4	-8.1	+2.8	30,481	27,052	31,784	31,530	-3.3	180,233	173,638
Electrical transmission and distribution equipment and industrial apparatus	3,638	3,527	3,409	+3.1	+3.5	-5.6	3,946	3,413	3,361	3,586	+10.0	21,860	20,737
Electric lighting and wiring equipment	2,094	2,307	2,320	-9.2	-0.6	+5.0	2,142	2,288	2,235	2,177	-1.6	13,538	12,856
Communications equipment	7,242	7,880	6,689	-8.1	+17.8	-11.4	8,478	7,264	5,749	8,423	+0.7	42,966	38,128
lectronic components	11,433	10,484	14,067	+9.1	-25.5	+16.2	10,452	9,349	15,600	11,683	-10.5	71,776	70,958
nsportation equipment	39,388	42,422	44,431	-7.2	-4.5	+5.3	40,892	43,299	46,284	44,864	-8.9	263,140	250,381
Aircraft, missiles, space vehicles, and parts.	8,438	10,760	12,827	-21.6	-16.1	+50.4	8,931	9,431	12,872	11,824	-24.5	63,049	56,342
Shipbuilding and tanks	1,549	250	584	519.6	-57.2	-38.7	1,772	284	562	1,168	+51.7	4,998	4,498
ruments and related products	14,083	13,228	13,736	+6.5	-3.7	+0.5	15,145	12,892	13,072	15,010	+0.9	81,999	80,728
earch and navigation equipment	3,221	2,677	2,843	+20.3	-5.8	+3.5	3,479	2,414	2,620	3,243	+7.3	17,033	16,234
Measuring and controlling devices	3,825	3,880	3,920	-1.4	-1.0	-0.1	4,112	3,864	3,702	4,518	-9.0	23,919	24,800
Medical instruments and supplies	4,695	4,313	4,648	+8.9	-7.2	-2.4	4,832	4,201	4,559	4,280	+12.9	27,160	24,918
other durable goods	20,192	19,250	18,835	+4.9	+2.2	-3.2	21,661	19,182	18,854	20,315	+6.6	115,346	112,304
ndurable goods industries	147,937	147,456	148,581	+0.3	-0.8	-0.1	153,502	147,385	147,750	152,169	+0.9	884,341	873,120
Vith unfilled orders	37,266	37,396	37,600	-0.3	-0.5	+0.3	38,244	36,488	37,066	37,593	+1.7	221,766	212,729

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chan Jun 98/9
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	
All manufacturing industries	529,274	533,470	536,859	-0.8	-0.6	+0.4	527,006	536,103	541,896	520,327	+1.
Manufacturing industries without defense capital goods	429,940	433,477	435,705	-0.8	-0.5	+0.4	427,402	435,145	438,761	413,476	+3.
Durable goods industries	504,656	508,438	511,450	-0.7	-0.6	+0.4	501,804	510,563	516,207	493,820	+1.
Stone, clay, and glass products	6,394	6,255	6,318	+2.2	-1.0	-0.4	6,454	6,302	6,451	6,794	-5.
Primary metals	33,010	33,603	33,839	-1.8	-0.7	-0.2	32,858	34,243	35,152	31,950	+2.
Blast furnaces, steel mills	14,076	14,295	14,209	-1.5	+0.6	-1.8	13,937	14,701	14,884	13,055	+6.
Iron and steel foundries	5,625	5,804	5,797	-3.1	+0.1	-0.8	5,641	5,886	5,975	4,939	+14.
Nonferrous and other primary metals	13,309	13,504	13,833	-1.4	-2.4	+1.8	13,280	13,656	14,293	13,956	-4.
Fabricated metal products	27,142	27,154	27,269	0.0	-0.4	+1.6	27,165	27,195	27,273	25,773	+5.
Industrial machinery and equipment	72,926	73,850	74,167	-1.3	-0.4	0.0	71,998	73,816	74,365	72,628	-0.
Engines and turbines	11,470	11,846	12,109	-3.2	-2.2	+2.5	10,886	11,217	11,551	11,424	-4
Construction, mining and material handling equipment	11,409	11,349	11,261	+0.5	+0.8	+0.8	11,366	11,574	11,691	9,169	+24
Metalworking machinery	7,277	7,379	7,420	-1.4	-0.6	-0.6	7,277	7,379	7,420	8,097	-10
Computer and office equipment	7,901	7,834	7,809	+0.9	+0.3	-1.5	7,979	8,061	7,774	9,024	-11
Electronic and other electrical equipment	57,060	58,099	58,722	-1.8	-1.1	+2.9	55,326	58,412	59,883	54,069	+2
Electrical transmission and distribution equipment and industrial apparatus	6,481	6,421	6,416	+0.9	+0.1	-1.5	6,465	6,505	6,540	6,920	-6
Electric lighting and wiring equipment	5,218	5,317	5,222	-1.9	+1.8	+1.6	5,218	5,317	5,222	4,545	+14
Communications equipment	17,303	17,321	16,418	-0.1	+5.5	-0.2	17,310	17,335	16,433	15,205	+13
Electronic components	22,009	22,943	24,277	-4.1	-5.5	+7.5	20,381	23,201	25,301	21,224	-4
Transportation equipment	251,296	252,835	253,975	-0.6	-0.4	+0.2	251,248	253,445	255,679	245,907	+2
Aircraft, missiles, space vehicles, and parts	216,185	218,389	218,831	-1.0	-0.2	+0.8	216,351	219,208	220,510	213,395	+1
Shipbuilding and tanks	17,957	17,325	17,924	+3.6	-3.3	-2.6	18,025	17,274	17,818	18,618	-3
Instruments and related products	48,679	48,743	49,302	-0.1	-1.1	-0.2	48,550	48,977	49,595	48,968	-0
Search and navigation equipment	28,211	28,017	28,297	+0.7	-1.0	-0.7	28,308	28,149	28,584	28,807	-1
Measuring and controlling devices	10,124	10,312	10,582	-1.8	-2.6	-1.3	10,124	10,312	10,582	10,696	-5
Medical instruments and supplies	9,117	9,088	9,074	+0.3	+0.2	+2.7	8,856	9,185	9,103	7,717	+14
All other durable goods	8,149	7,899	7,858	+3.2	+0.5	-4.4	8,205	8,173	7,809	7,731	+6
Nondurable goods industries	24,618	25,032	25,409	-1.7	-1.5	-0.5	25,202	25,540	25,689	26,507	-4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	June 98/97
All manufacturing industries	466,593	465,729	464,668	+0.2	+0.2	+0.6	464,465	469,773	467,122	445,734	+4.2
nufacturing industries											
th unfilled orders	312,957	311,938	310,960	+0.3	+0.3	+0.9	312,806	315,984	313,015	298,571	+4.8
thout defense capital goods	448,197	447,375	446,559	+0.2	+0.2	+0.6	445,934	451,131	448,981	429,093	+3.9
rable goods industries	295,125	294,375	293,393	+0.3	+0.3	+0.9	293,802	297,637	295,053	280,596	+4.7
/ith unfilled orders	271,639	270,782	269,884	+0.3	+0.3	+1.0	271,100	274,150	271,433	258,483	+4.9
ne, clay, and glass products	9,111	9,092	9,067	+0.2	+0.3	-0.7	9,228	9,348	9,292	9,211	+0.2
mary metals	24,633	24,465	24,340	+0.7	+0.5	+0.4	24,502	24,468	24,332	24,235	+1.1
Blast furnaces, steel mills	12,160	11,986	11,852	+1.5	+1.1	+0.4	11,950	11,841	11,667	11,579	+3.2
ron and steel foundries	1,570	1,559	1,556	+0.7	+0.2	+0.6	1,600	1,603	1,611	1,616	-1.0
Nonferrous and other primary metals	10,903	10,920	10,932	-0.2	-0.1	+0.4	10,952	11,024	11,054	11,040	-0.8
bricated metal products	30,746	30,460	30,580	+0.9	-0.4	+0.6	31,075	30,831	30,954	29,338	+5.9
ustrial machinery and equipment	61,032	61,081	61,247	-0.1	-0.3	+0.4	60,337	62,044	61,752	58,751	+2.7
Engines and turbines	4,075	4,396	4,451	-7.3	-1.2	+1.6	3,967	4,460	4,428	3,721	+6.6
Farm and garden machinery	3,618	3,615	3,623	+0.1	-0.2	-2.9	3,440	3,498	3,649	3,348	+2.7
Construction, mining and material handling equipment	8,682	8,585	8,498	+1.1	+1.0	+1.3	8,735	8,713	8,625	7,751	+12.7
Metalworking machinery	7,564	7,510	7,418	+0.7	+1.2	+0.7	7,574	7,695	7,484	7,377	+2.7
Computer and office equipment	10,196	10,186	10,418	+0.1	-2.2	+0.4	9,811	10,585	10,496	10,796	-9.1
ctronic and other ectrical equipment	40,653	41,236	41,378	-1.4	-0.3	0.0	40,548	41,986	41,779	39,524	+2.6
Electrical transmission and distribution equipment and industrial apparatus	5,306	5,329	5,425	-0.4	-1.8	-2.7	5,258	5,378	5,456	5,644	-6.8
Household appliances	2,313	2,360	2,387	-2.0	-1.1	+1.1	2,367	2,567	2,559	2,553	-7.3
Electric lighting and wiring equipment	3,398	3,395	3,400	+0.1	-0.1	+0.6	3,440	3,488	3,445	3,374	+2.0
Household audio and video equipment	948	911	858	+4.1	+6.2	-7.1	991	915	837	1,074	-7.7
Communications equipment	10,461	10,576	10,603	-1.1	-0.3	-0.3	10,279	10,840	10,726	10,101	+1.8
Electronic components	14,676	15,132	15,171	-3.0	-0.3	+1.5	14,557	15,196	15,175	12,939	+12.5
nsportation equipment	74,567	73,398	72,542	+1.6	+1.2	+2.2	73,759	73,869	72,593	67,661	+9.0
Motor vehicles and parts	17,034	16,686	16,450	+2.1	+1.4	-1.6	16,553	16,612	16,510	16,019	+3.3
Aircraft, missiles, space vehicles, and parts	51,908	51,114	50,625	+1.6	+1.0	+3.5	51,662	51,611	50,587	46,610	+10.8
hipbuilding and tanks	1,782	1,694	1,633	+5.2	+3.7	-2.6	1,772	1,703	1,656	1,596	+11.0
ruments and related products	26,720	26,797	26,530	-0.3	+1.0	+0.6	26,858	27,131	26,705	25,931	+3.6
earch and navigation equipment	6,744	6,711	6,601	+0.5	+1.7	0.0	6,828	6,808	6,662	6,597	+3.5
Measuring and controlling devices	8,223	8,299	8,256	-0.9	+0.5	+1.0	8,262	8,369	8,314	8,129	+1.6
Medical instruments and supplies	8,424	8,494	8,395	-0.8	+1.2	+0.9	8,420	8,574	8,396	8,089	+4.1
hotographic goods	2,625	2,594	2,583	+1.2	+0.4	+0.6	2,633	2,669	2,633	2,481	+6.1
other durable goods	27,663	27,846	27,709	-0.7	+0.5	+1.1	27,495	27,960	27,646	25,945	+6.0
ndurable goods industries	171,468	171,354	171,275	+0.1	0.0	+0.1	170,663	172,136	172,069	165,138	+3.3
/ith unfilled orders	41,318	41,156	41,076	+0.4	+0.2	+0.6	41,706	41,834	41,582	40,088	+4.0
d and kindred products	37,478	37,503	37,488	-0.1	0.0	-0.1	35,848	36,216	36,760	34,655	+3.4
Meat products	4,114	4,099	4,053	+0.4	+1.1	-1.0	4,166	4,195	4,153	3,980	+4.7
Dairy products	3,745	3,837	3,817	-2.4	+0.5	-0.9	3,820	3,921	3,927	3,501	+9.1
Beverages	8,156	8,121	8,117	+0.4	0.0	+0.4	7,993	8,071	8,138	7,311	+9.3
All other foods, except fats and oils	19,618	19,562	19,596	+0.3	-0.2	+0.1	18,098	18,171	18,625	18,128	-0.2
Tobacco products	5,720	5,779	5,772	-1.0	+0.1	-1.9	5,276	5,537	5,707	5,370	-1.8
Textile mill products	10,267	10,254	10,224	+0.1	+0.3	0.0	10,345	10,586	10,482	10,181	+1.6
Broadwoven fabrics and other textiles	6,363	6,381	6,364	-0.3	+0.3	+0.3	6,365	6,548	6,499	6,239	+2.0
Per and allied products	16,508	16,388	16,363	+0.7	+0.2	+0.3	16,453	16,618	16,609	15,622	+5.3
Pulp, paper, and paperboard mill products	6,710	6,590	6,547	+1.8	+0.7	+0.2	6,646	6,645	6,619	6,337	+4.9
aperboard containers and boxes	4,316	4,229	4,212	+2.1	+0.4	+0.1	4,299	4,261	4,280	3,819	+12.6
Miscellaneous converted paper products	5,482	5,569	5,604	-1.6	-0.6	+0.4	5,508	5,712	5,710	5,466	+0.8
emicals and allied products	46,061	45,821	45,611	+0.5	+0.5	+0.5	46,077	46,376	46,137	42,117	+9.4
ndustrial chemicals	20,433	20,474	20,445	-0.2	+0.1	+0.7	20,273	20,484	20,469	19,507	+3.9
Drugs, soaps, and toiletries	20,188	19,946	19,823	+1.2	+0.6	+0.8	20,532	20,513	20,088	17,616	+16.6
Petroleum and coal products	10,767	11,169	11,400	-3.6	-2.0	0.0	10,924	11,498	11,467	12,849	-15.0
Rubber and plastics products	16,746	16,571	16,484	+1.1	+0.5	-0.2	16,762	16,734	16,745	16,284	+2.9
other nondurable goods	27,921	27,869	27,933	+0.2	-0.2	+0.3	28,978	28,571	28,162	28,060	+3.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	June 98/97	1998[p]	199
SHIPMENTS													
All manufacturing industries	334,650	333,622	335,553	+0.3	-0.6	-1.0	357,930	333,343	332,551	349,240	+2.5	2,013,535	1,938,3
Market categories :													
Automotive equipment	13,274	14,259	14,343	-6.9	-0.6	-3.3	13,757	15,322	15,201	14,712	-6.5	88,408	86,2
Home goods and apparel	19,035	18,899	19,157	+0.7	-1.3	+0.8	20,079	17,686	18,021	19,303	+4.0	110,695	105,3
Consumer staples	69,323	68,662	69,101	+1.0	-0.6	0.0	71,409	67,904	66,987	69,085	+3.4	406,254	394,1
Machinery and equipment	64,397	63,150	63,225	+2.0	-0.1	-2.0	73,449	61,885	61,150	67,573	+8.7	382,718	348,9
Business supplies	25,562	25,554	25,409	0.0	+0.6	-1.0	26,696	25,431	25,996	26,318	+1.4	151,842	148,4
Construction materials and supplies	21,896	21,428	21,403	+2.2	+0.1	-0.9	23,530	21,869	21,496	22,511	+4.5	127,610	123,6
Defense products	6,623	6,922	7,056	-4.3	-1.9	+1.8	7,168	6,732	6,806	7,484	-4.2	40,760	39,1
Other materials, supplies and and intermediate products	114,540	114,748	115,859	-0.2	-1.0	-1.3	121,842	116,514	116,894	122,254	-0.3	705,248	692,3
Durable goods industries :													
Nondefense capital goods [3]	52,174	50,586	50,560	+3.1	+0.1	-2.0	61,436	47,843	46,966	55,346	+11.0	304,290	272,9
Excluding aircraft and parts	44,800	42,980	43,014	+4.2	-0.1	-2.0	53,175	40,601	39,531	47,698	+11.5	259,979	234,3
Defense capital goods [4]	6,272	6,558	6,745	-4.4	-2.8	+1.7	6,837	6,373	6,450	7,169	-4.6	38,641	36,9
Durables excluding capital goods	127,853	128,645	129,538	-0.6	-0.7	-1.7	135,817	131,593	131,543	134,919	+0.7	786,241	757,1
Miscellaneous series :													
Producers' durable equipment	120,479	120,481	120,313	0.0	+0.1	-2.3	133,904	120,628	118,802	128,010	+4.6	733,790	685,8
Household durable goods	9,476	9,258	9,302	+2.4	-0.5	-0.8	10,167	8,738	8,858	9,533	+6.7	54,747	50,4
Information technology industries	25,159	24,209	24,270	+3.9	-0.3	-0.9	31,027	21,978	20,638	27,536	+12.7	143,752	128,8
Health care equipment and products	12,152	11,635	11,714	+4.4	-0.7	-1.8	12,938	10,975	11,043	11,688	+10.7	69,638	63,9
NEW ORDERS													
All manufacturing industries	330,454	330,233	337,502	+0.1	-2.2	+0.8	348,833	327,550	336,909	346,439	+0.7	2,008,983	1,949,7
Market categories :													
Automotive equipment	13,274	14,256	14,277	-6.9	-0.1	-3.7	13,723	15,257	15,119	14,682	-6.5	88,287	86,4
Home goods and apparel	19,084	18,891	18,826	+1.0	+0.3	+1.5	20,116	17,851	17,763	19,459	+3.4	110,567	106,7
Consumer staples	69,326	68,622	69,103	+1.0	-0.7	-0.1	71,602	67,878	67,002	69,312	+3.3	406,415	394,3
Machinery and equipment	63,289	63,803	64,295	-0.8	-0.8	+1.5	71,269	62,575	62,685	66,869	+6.6	385,520	352,8
Business supplies	25,620	25,537	25,442	+0.3	+0.4	-0.9	26,775	25,559	26,148	26,264	+1.9	152,393	149,0
Construction materials and supplies	21,825	21,424	21,601	+1.9	-0.8	+0.2	23,478	21,792	21,767	22,649	+3.7	128,323	124,6
Defense products	6,088	5,621	7,036	+8.3	-20.1	+26.9	6,000	4,457	6,931	6,773	-11.4	37,552	36,1
Other materials, supplies and and intermediate products	111,948	112,079	116,922	-0.1	-4.1	+0.8	115,870	112,181	119,494	120,431	-3.8	699,926	699,5
Durable goods industries :													
Nondefense capital goods [3]	50,843	50,834	51,240	0.0	-0.8	+1.5	59,326	47,891	47,519	54,795	+8.3	305,373	274,9
Excluding aircraft and parts	44,221	43,052	42,544	+2.7	+1.2	-3.5	51,817	40,473	38,934	46,238	+12.1	260,846	237,3
Defense capital goods [4]	5,613	5,397	6,865	+4.0	-21.4	+27.5	5,483	4,196	6,813	6,370	-13.9	36,029	34,1
Durables excluding capital goods	126,061	126,546	130,816	-0.4	-3.3	+0.6	130,522	128,078	134,827	133,105	-1.9	783,240	767,5
Miscellaneous series :													
Producers' durable equipment	119,331	121,218	121,207	-1.6	0.0	-0.3	131,206	121,272	119,911	126,782	+3.5	735,461	691,8
Household durable goods	9,527	9,271	9,050	+2.8	+2.4	+0.2	10,176	8,872	8,583	9,678	+5.1	54,256	51,5
Information technology industries	25,401	24,675	23,803	+2.9	+3.7	-3.9	31,083	22,732	20,375	27,649	+12.4	146,282	131,6
Health care equipment and products	12,181	11,650	11,949	+4.6	-2.5	-1.4	12,610	11,059	11,467	11,288	+11.7	70,072	64,1

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	June 98/97
UNFILLED ORDERS											
ll manufacturing industries	529,274	533,470	536,859	-0.8	-0.6	+0.4	527,006	536,103	541,896	520,327	+1.3
rket categories :											
Automotive equipment	2,431	2,431	2,433	0.0	-0.1	-2.6	2,365	2,398	2,464	2,472	-4.3
Home goods and apparel	8,238	8,189	8,198	+0.6	-0.1	-3.9	8,429	8,392	8,228	8,544	-1.3
Consumer staples	2,182	2,179	2,219	+0.1	-1.8	+0.1	2,211	2,018	2,043	2,283	-3.2
Machinery and equipment	245,920	247,027	246,375	-0.4	+0.3	+0.4	245,544	247,724	247,035	229,055	+7.2
Business supplies	6,833	6,774	6,792	+0.9	-0.3	+0.5	6,983	6,903	6,776	7,018	-0.5
Construction materials and supplies	18,204	18,276	18,281	-0.4	0.0	+1.1	18,339	18,391	18,467	17,378	+5.5
Defense products	94,157	94,692	95,992	-0.6	-1.4	0.0	94,338	95,505	97,781	101,962	-7.5
Other materials, supplies and and intermediate products	151,309	153,902	156,569	-1.7	-1.7	+0.7	148,797	154,772	159,102	151,615	-1.9
rable goods industries :											
Nondefense capital goods [3]	263,008	264,339	264,091	-0.5	+0.1	+0.3	262,299	264,409	264,361	249,191	+5.3
Excluding aircraft and parts	104,748	105,327	105,255	-0.5	+0.1	-0.4	104,039	105,397	105,525	99,143	+4.9
Defense capital goods [4]	99,334	99,993	101,154	-0.7	-1.1	+0.1	99,604	100,958	103,135	106,851	-6.8
Durables excluding capital goods	142,314	144,106	146,205	-1.2	-1.4	+0.9	139,901	145,196	148,711	137,778	+1.5
scellaneous series :											
Producers' durable equipment	286,038	287,186	286,449	-0.4	+0.3	+0.3	284,785	287,483	286,839	266,408	+6.9
Household durable goods	5,372	5,321	5,308	+1.0	+0.2	-4.5	5,292	5,283	5,149	5,609	-5.7
nformation technology industries	40,428	40,186	39,720	+0.6	+1.2	-1.2	40,500	40,444	39,690	39,040	+3.7
Health care equipment and products	9,159	9,130	9,116	+0.3	+0.2	+2.6	8,899	9,227	9,144	7,755	+14.8
TOTAL INVENTORIES											
ll manufacturing industries	466,593	465,729	464,668	+0.2	+0.2	+0.6	464,465	469,773	467,122	445,734	+4.2
rket categories :											
Automotive equipment	8,521	8,410	8,277	+1.3	+1.6	-0.6	8,306	8,508	8,372	8,054	+3.1
Home goods and apparel	31,278	31,205	31,136	+0.2	+0.2	-0.1	32,306	32,296	31,553	31,180	+3.6
Consumer staples	72,764	72,887	72,886	-0.2	0.0	+0.1	71,432	72,377	72,530	68,593	+4.1
Machinery and equipment	119,503	119,143	118,836	+0.3	+0.3	+1.7	118,376	120,923	119,660	113,171	+4.6
Business supplies	27,947	27,938	27,965	0.0	-0.1	+0.8	28,040	28,227	28,253	27,049	+3.7
Construction materials and supplies	28,374	28,395	28,383	-0.1	0.0	+0.4	28,538	28,725	28,687	28,014	+1.9
Defense products	18,131	18,044	17,778	+0.5	+1.5	+0.9	18,240	18,312	17,808	16,424	+11.1
Other materials, supplies and and intermediate products	160,075	159,707	159,407	+0.2	+0.2	+0.2	159,227	160,405	160,259	153,249	+3.9
rable goods industries :											
Nondefense capital goods [3]	111,994	111,412	111,365	+0.5	0.0	+1.6	111,012	113,190	112,065	106,590	+4.1
Excluding aircraft and parts	72,091	72,340	72,614	-0.3	-0.4	+0.2	71,475	73,884	73,358	70,371	+1.6
Defense capital goods [4]	18,396	18,354	18,109	+0.2	+1.4	+0.5	18,531	18,642	18,141	16,641	+11.4
Durables excluding capital goods	164,735	164,609	163,919	+0.1	+0.4	+0.4	164,259	165,805	164,847	157,365	+4.4
scellaneous series :											
Producers' durable equipment	191,822	191,128	190,665	+0.4	+0.2	+1.2	190,817	193,644	192,023	183,475	+4.0
Household durable goods	15,823	15,767	15,623	+0.4	+0.9	+0.4	16,088	16,183	15,758	15,258	+5.4
nformation technology industries	33,959	34,094	34,225	-0.4	-0.4	+0.2	33,482	34,962	34,591	33,804	-1.0
Health care equipment and products	19,367	19,306	19,142	+0.3	+0.9	+0.9	19,545	19,690	19,285	17,649	+10.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	June 1998[p]	May 1998[r]	Apr. 1998	May-June	Apr.-May	Mar.-Apr.	June 1998[p]	May 1998[r]	Apr. 1998	June 1997	Jun 98/9
MATERIALS AND SUPPLIES											
All manufacturing industries	155,290	154,704	154,556	+0.4	+0.1	+0.2	154,310	154,112	154,280	148,183	+4
Durable goods industries	93,191	92,778	92,470	+0.4	+0.3	+0.6	92,269	92,159	91,738	87,581	+5
Stone, clay, and glass products	3,000	2,962	2,979	+1.3	-0.6	+0.2	3,002	2,956	2,953	2,943	+2
Primary metals	8,046	7,913	7,866	+1.7	+0.6	+1.7	7,902	7,686	7,618	7,666	+3
Fabricated metal products	10,711	10,506	10,647	+2.0	-1.3	+1.4	10,701	10,412	10,590	10,030	+6
Industrial machinery and equipment	19,839	20,013	20,042	-0.9	-0.1	+0.8	19,645	20,157	19,903	19,229	+2
Electronic and other electrical equipment	15,667	15,750	15,573	-0.5	+1.1	-1.4	15,565	15,774	15,636	15,148	+2
Transportation equipment	15,658	15,315	15,247	+2.2	+0.4	-0.3	15,540	15,217	15,287	14,198	+9
Instruments and related products	9,326	9,380	9,252	-0.6	+1.4	+2.0	9,363	9,465	9,310	8,480	+10
Lumber, furniture and miscellaneous durable goods	10,944	10,939	10,864	0.0	+0.7	+1.8	10,551	10,492	10,441	9,887	+6
Nondurable goods industries	62,099	61,926	62,086	+0.3	-0.3	-0.4	62,041	61,953	62,542	60,602	+2
Food and kindred products	11,157	11,176	11,219	-0.2	-0.4	+0.4	11,004	11,046	11,311	10,858	+1
Tobacco products	4,958	4,994	5,002	-0.7	-0.2	-1.4	4,679	4,875	5,035	4,808	-2
Textile mill products	2,991	2,999	2,967	-0.3	+1.1	-0.5	3,012	3,092	3,026	3,058	-1
Paper and allied products	8,132	7,986	8,001	+1.8	-0.2	+0.2	8,063	7,981	8,076	7,543	+6
Chemicals and allied products	15,352	15,119	15,168	+1.5	-0.3	-0.8	15,512	15,187	15,234	14,512	+6
Petroleum and coal products	3,094	3,343	3,415	-7.4	-2.1	-5.9	3,149	3,439	3,483	3,960	-20
Rubber and plastics products	6,783	6,721	6,697	+0.9	+0.4	+0.4	6,758	6,724	6,749	6,385	+5
Apparel, printing and publishing and leather goods	9,632	9,588	9,617	+0.5	-0.3	+0.6	9,864	9,609	9,628	9,478	+4
WORK IN PROCESS											
All manufacturing industries	151,164	150,901	150,240	+0.2	+0.4	+1.6	149,757	151,984	150,409	141,033	+6
Durable goods industries	121,362	121,101	120,494	+0.2	+0.5	+1.7	120,552	122,388	120,869	113,755	+6
Stone, clay, and glass products	1,307	1,304	1,299	+0.2	+0.4	-1.8	1,334	1,355	1,362	1,263	+5
Primary metals	8,560	8,610	8,662	-0.6	-0.6	+0.4	8,553	8,666	8,718	8,845	-3
Fabricated metal products	9,092	9,012	8,957	+0.9	+0.6	+0.2	9,094	9,086	8,977	8,506	+6
Industrial machinery and equipment	22,777	22,884	22,808	-0.5	+0.3	+0.6	22,644	23,264	22,952	21,921	+3
Electronic and other electrical equipment	14,390	14,677	14,936	-2.0	-1.7	+2.0	14,376	14,911	15,039	13,653	+5
Transportation equipment	49,920	49,279	48,576	+1.3	+1.4	+3.6	49,140	49,627	48,445	44,066	+11
Instruments and related products	9,996	10,020	9,951	-0.2	+0.7	-0.8	10,069	10,124	10,048	10,271	-2
Lumber, furniture and miscellaneous durable goods	5,320	5,315	5,305	+0.1	+0.2	-0.7	5,342	5,355	5,328	5,230	+2
Nondurable goods industries	29,802	29,800	29,746	0.0	+0.2	+1.2	29,205	29,596	29,540	27,278	+7
Food and kindred products	5,810	5,814	5,826	-0.1	-0.2	+0.7	5,270	5,273	5,466	5,006	+5
Tobacco products	118	122	120	-3.3	+1.7	+8.1	105	111	110	105	0
Textile mill products	2,670	2,641	2,686	+1.1	-1.7	+0.3	2,644	2,664	2,719	2,634	+0
Paper and allied products	1,576	1,637	1,667	-3.7	-1.8	-0.1	1,584	1,662	1,678	1,558	+1
Chemicals and allied products	8,701	8,683	8,595	+0.2	+1.0	+2.9	8,731	8,850	8,615	7,296	+19
Petroleum and coal products	2,609	2,659	2,684	-1.9	-0.9	-1.0	2,613	2,734	2,724	2,818	-7
Rubber and plastics products	2,253	2,174	2,234	+3.6	-2.7	-1.6	2,193	2,165	2,223	2,148	+2
Apparel, printing and publishing and leather goods	6,065	6,070	5,934	-0.1	+2.3	+2.2	6,065	6,137	6,005	5,713	+6
FINISHED GOODS											
All manufacturing industries	160,139	160,124	159,872	0.0	+0.2	0.0	160,398	163,677	162,433	156,518	+2
Durable goods industries	80,572	80,496	80,429	+0.1	+0.1	-0.1	80,981	83,090	82,446	79,260	+2
Stone, clay, and glass products	4,804	4,826	4,789	-0.5	+0.8	-1.0	4,892	5,037	4,977	5,005	-2
Primary metals	8,027	7,942	7,812	+1.1	+1.7	-0.9	8,047	8,116	7,996	7,724	+4
Fabricated metal products	10,943	10,942	10,976	0.0	-0.3	+0.1	11,280	11,333	11,387	10,802	+4
Industrial machinery and equipment	18,416	18,184	18,397	+1.3	-1.2	-0.4	18,048	18,623	18,897	17,601	+2
Electronic and other electrical equipment	10,596	10,809	10,869	-2.0	-0.6	-0.5	10,607	11,301	11,104	10,723	-1
Transportation equipment	8,989	8,804	8,719	+2.1	+1.0	-0.9	9,079	9,025	8,861	9,397	-3
Instruments and related products	7,398	7,397	7,327	0.0	+1.0	+0.8	7,426	7,542	7,347	7,180	+3
Lumber, furniture and miscellaneous durable goods	11,399	11,592	11,540	-1.7	+0.5	+1.2	11,602	12,113	11,877	10,828	+7
Nondurable goods industries	79,567	79,628	79,443	-0.1	+0.2	+0.2	79,417	80,587	79,987	77,258	+2
Food and kindred products	20,511	20,513	20,443	0.0	+0.3	-0.5	19,574	19,897	19,983	18,791	+4
Tobacco products	644	663	650	-2.9	+2.0	-6.7	492	551	562	457	+7
Textile mill products	4,606	4,614	4,571	-0.2	+0.9	+0.3	4,689	4,830	4,737	4,489	+4
Paper and allied products	6,800	6,765	6,695	+0.5	+1.0	+0.5	6,806	6,975	6,855	6,521	+4
Chemicals and allied products	22,008	22,019	21,848	0.0	+0.8	+0.6	21,834	22,339	22,288	20,309	+7
Petroleum and coal products	5,064	5,167	5,301	-2.0	-2.5	+4.7	5,162	5,325	5,260	6,071	-15
Rubber and plastics products	7,710	7,676	7,553	+0.4	+1.6	-0.2	7,811	7,845	7,773	7,751	+0
Apparel, printing and publishing and leather goods	12,224	12,211	12,382	+0.1	-1.4	-0.8	13,049	12,825	12,529	12,869	+1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1998[p]	May 1998[r]	Apr. 1998	Mar. 1998	June 1998[p]	May 1998[r]	Apr. 1998	Mar. 1998
ll manufacturing industries	1.39	1.40	1.38	1.36	2.74	2.79	2.79	2.75
ıble goods industries	1.58	1.58	1.57	1.53	3.25	3.31	3.31	3.25
ne, clay, and glass products	1.13	1.14	1.15	1.16	0.83	0.82	0.84	0.84
mary metals	1.63	1.61	1.57	1.55	2.18	2.21	2.18	2.17
bricated metal products	1.56	1.54	1.56	1.54	1.46	1.46	1.48	1.44
ustrial machinery and equipment	1.62	1.67	1.66	1.66	2.05	2.14	2.14	2.13
ctronic and other ectrical equipment	1.33	1.39	1.38	1.34	1.86	1.95	1.95	1.85
nsportation equipment	1.82	1.68	1.65	1.57	10.83	10.44	10.41	10.14
truments and related products	1.89	1.94	1.92	1.86	3.44	3.54	3.56	3.49
lurable goods industries	1.16	1.16	1.15	1.15	0.65	0.66	0.67	0.68
od and kindred products	0.92	0.93	0.92	0.92	(X)	(X)	(X)	(X)
bacco products	1.61	1.69	1.70	1.76	(X)	(X)	(X)	(X)
tile mill products	1.55	1.52	1.50	1.48	(NA)	(NA)	(NA)	(NA)
er and allied products	1.19	1.18	1.17	1.17	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.40	1.41	1.41	1.39	(X)	(X)	(X)	(X)
oleum and coal products	0.87	0.89	0.89	0.88	(X)	(X)	(X)	(X)
ber and plastics products	1.29	1.27	1.25	1.25	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1998	June[2] 1993-1997	June 1997-May 1998	June[1] 1998	June[2] 1993-1997	June 1997-May 1998	June[1] 1998	June[2] 1993-1997	June 1997-May 1998	June[1] 1998	June[2] 1993-1997	June 1997-May 1998
manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.1
le goods industries	0.3	0.2	0.2	0.1	0.3	0.3	0.0	0.1	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.5	0.3	(X)	1.1	0.8	(X)	0.8	0.7	(X)	0.1	0.2
ary metals	-0.1	0.4	0.3	0.0	0.7	0.6	0.0	0.2	0.2	(X)	0.1	0.0
icated metal products	(X)	0.4	0.2	(X)	0.8	0.5	(X)	0.4	0.3	(X)	0.2	0.1
strial machinery and equipment	0.1	0.6	0.5	-0.1	1.0	0.5	-0.1	0.2	0.1	(X)	0.2	0.1
ronic and other ctrical equipment	0.3	0.2	0.5	-0.4	2.3	0.9	0.2	1.0	0.4	(X)	0.1	0.1
sportation equipment	0.1	0.7	0.5	-0.3	0.4	0.7	-0.1	0.1	0.1	(X)	0.1	0.3
uments and related products	(X)	1.1	0.5	(X)	1.9	1.2	(X)	0.1	0.3	(X)	0.1	0.1
rable goods industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.4	0.2	(X)	0.2	0.0
l and kindred products	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
cco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
ile mill products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
r and allied products	(X)	0.8	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
nicals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
oleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
er and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
l goods industries :												
defense	0.1	0.7	0.4	-0.6	1.0	0.6	-0.1	0.0	0.1	(X)	0.1	0.2
nse	0.0	0.3	0.9	-0.7	1.9	2.4	0.0	0.1	0.2	(X)	0.1	0.3

) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The hly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the le goods industries are shown in the advance report for the month.

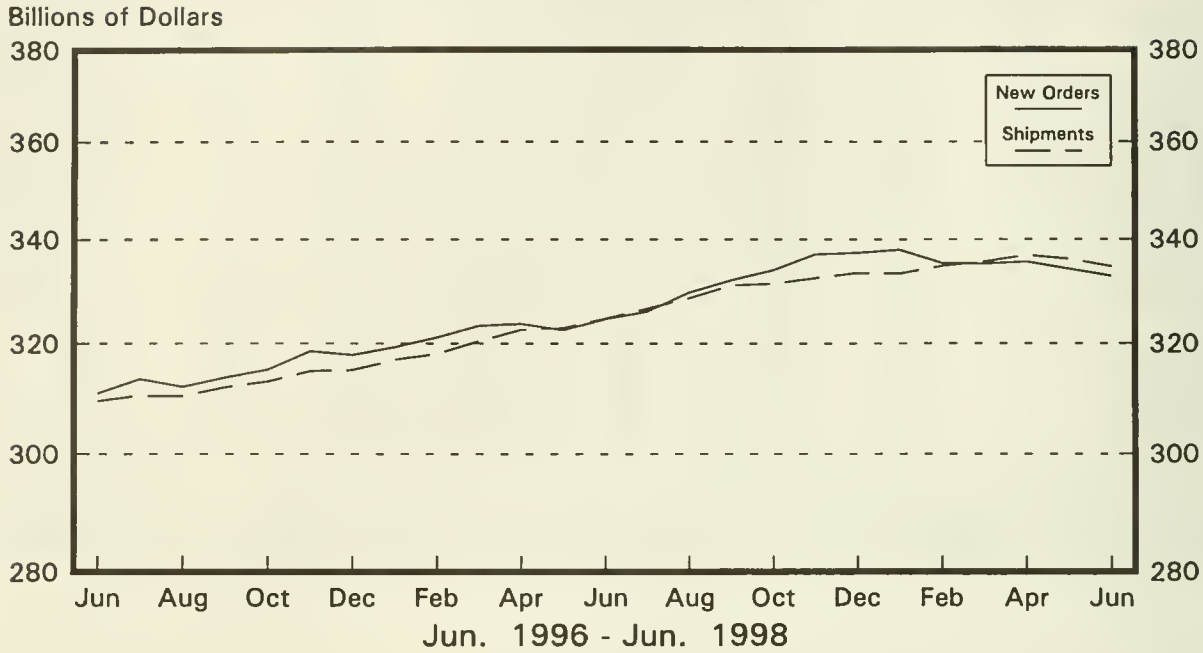
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision.

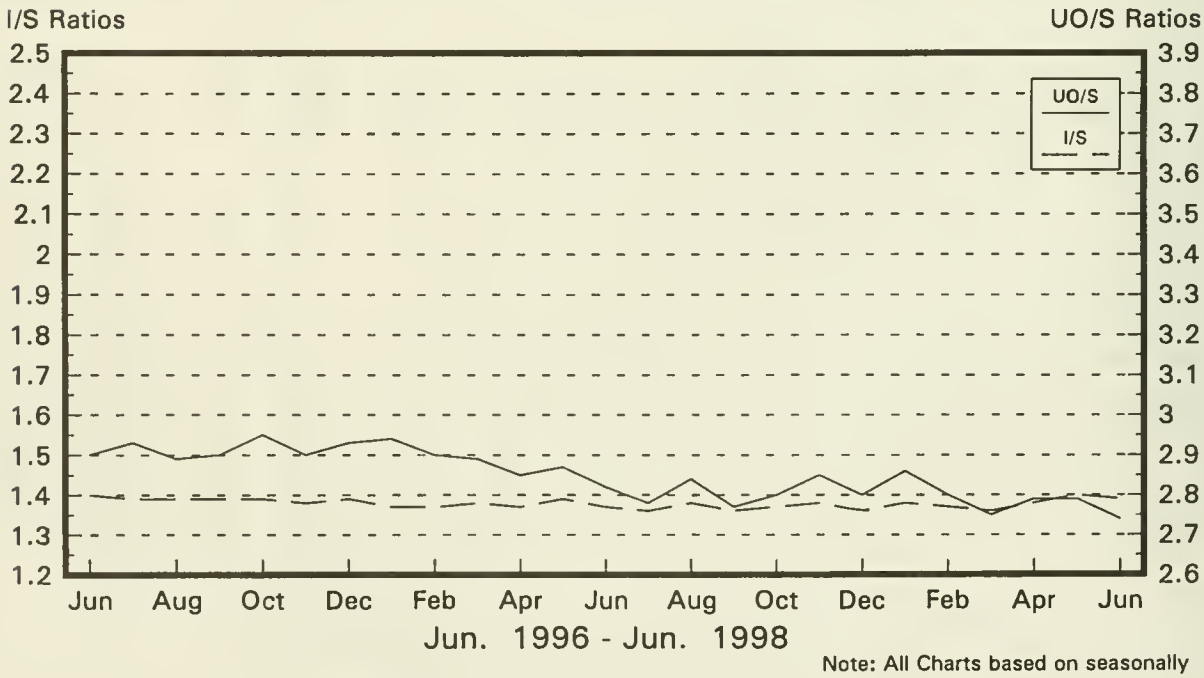
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

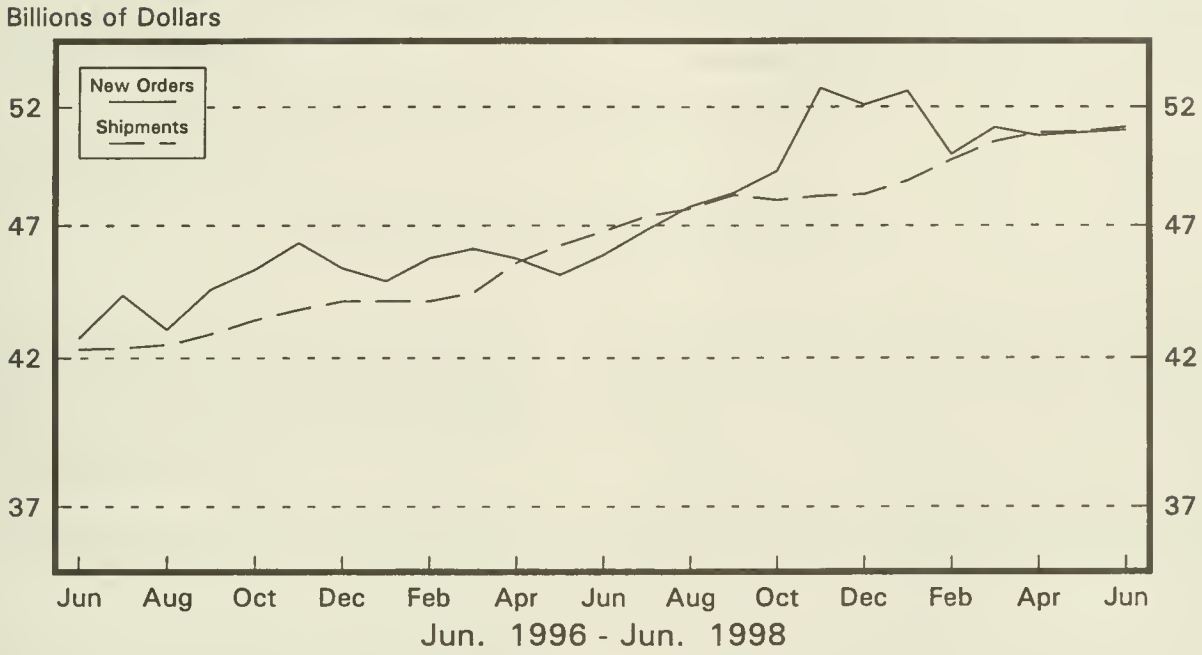
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

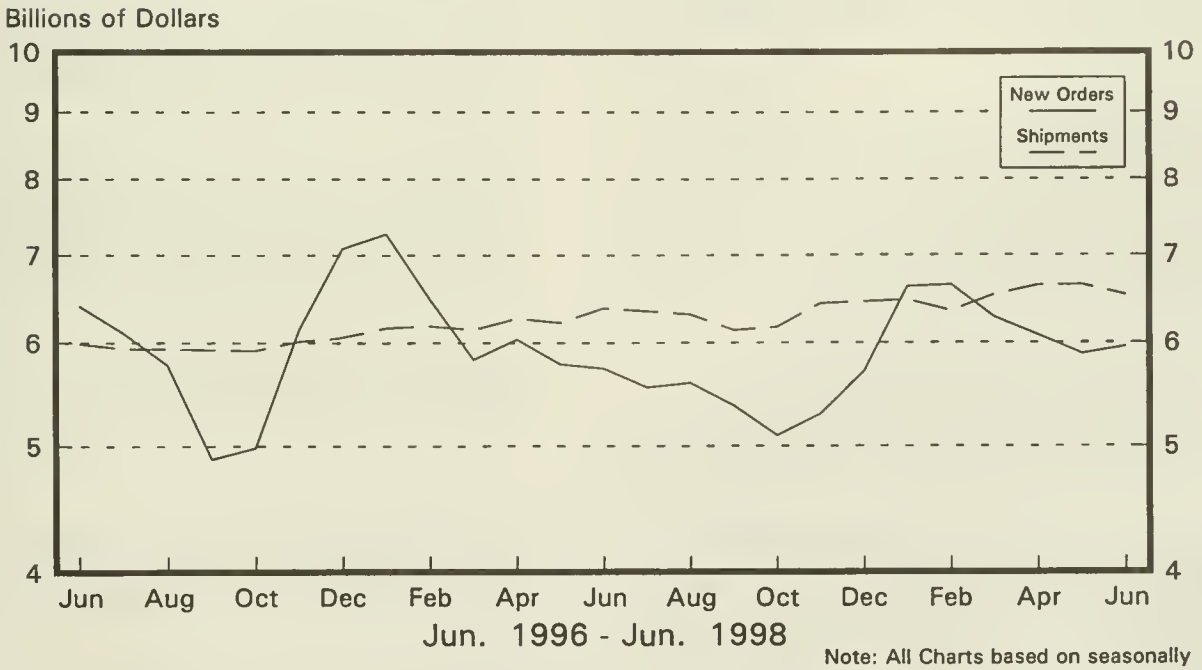
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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nt Industrial Reports, Manufacturers'
ents, Inventories, and Orders, July 1998
Department of Commerce
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EAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

July 1998
M3-1-(98)-07
For Wire Transmissions 10:00 a.m. E.D.T. September 2, 1998

- Data - (301) 457-4673
- Questions - Kathy Menth or Lee Wentela
1) 457-4804 or (301) 457-4852

Note: All figures in text are in seasonally adjusted current dollars

mmary

New orders for manufactured goods in July increased $4.0 ion or 1.2 percent to $335.2 billion, the Department of Commerce, reau of the Census reported today. This follows a 0.3 percent e increase and is the fourth increase in the last five months. cluding transportation, new orders increased 1.4 percent, the fifth rease in the last six months. Year to date, new orders are 3.0 cent above the same period a year ago.

Shipments decreased $0.2 billion or 0.1 percent to $334.9 ion, following a 0.4 percent June increase. This is the third line in the last four months. Year to date, shipments are 3.5 cent above the same period a year ago.

Unfilled orders, up for the first month since April, increased 3 billion or 0.1 percent to $529.8 billion, following a 0.7 percent e decrease. The unfilled orders-to-shipments ratio was 2.73, n from 2.74 in June.

Inventories increased $1.4 billion or 0.3 percent to $468.1 on. This is the eighteenth increase in the last nineteen months. inventories-to-shipments ratio was 1.40, up from 1.39 in June.

v Orders

New orders for manufactured durable goods in July reased $3.4 billion or 1.9 percent to $186.4 billion, revised n the previously published 2.4 percent increase. This follows .1 percent June increase and is the third increase in the last months.

Electronic and other electrical equipment, up four of the last months, had the largest increase, $3.0 billion or 10.0 percent 33.1 billion; an increase in electronic components more than et a decline in communication equipment. This follows a 3.2 cent June increase. Instruments and related products, down of the last three months, decreased $0.2 billion or 1.3 percent 14.0 billion. This follows a 7.3 percent June increase.

New orders for nondurable goods, up for the second secutive month, increased $0.6 billion or 0.4 percent to 8.8 billion. This follows a 0.5 percent June increase. ting, publishing, and allied industries and textile mill products the largest increases.

Shipments

Shipments of durable goods in July decreased $0.7 billion or 0.3 cent to $185.9 billion, revised from the previously published 0.2 cent decrease. This follows a 0.4 percent June increase and is the l decrease in the last four months.

Transportation equipment, down for the fourth consecutive month, had the largest decrease, $1.0 billion or 2.4 percent to $39.9 billion. This follows a 6.2 percent June decrease. Fabricated metal products, up for the third consecutive month, increased $0.4 billion or 2.2 percent to $20.2 billion. This follows a 0.1 percent June increase.

Shipments of nondurable goods, up for the second consecutive month, increased $0.4 billion or 0.3 percent to $149.0 billion, following a 0.5 percent June increase. The largest increases were in printing, publishing, and allied industries and textile mill products. Petroleum and coal products had the largest decline.

Unfilled Orders

Unfilled orders for durable goods in July increased $0.5 billion or 0.1 percent to $505.4 billion, revised from the previously published 0.3 percent increase. This follows a 0.7 percent June decrease and is the first increase since April. Electronic and other electrical equipment had the largest increase, $2.2 billion or 3.8 percent to $59.5 billion. This follows a 1.4 percent June decrease and is the first increase since April. Transportation equipment, down five of the last six months, decreased $0.6 billion or 0.2 percent to $250.7 billion. This follows a 0.6 percent June decrease. Primary metals decreased $0.6 billion or 1.9 percent to $32.4 billion. This follows a 1.8 percent June decrease and is the fifth consecutive monthly decline.

Inventories

Inventories of durable goods in July increased $0.9 billion or 0.3 percent to $296.0 billion, following a 0.3 percent June increase. This is the seventh consecutive monthly increase and the seventeenth in the last nineteen months. Transportation equipment, up for the seventh consecutive month, had the largest increase, $0.5 billion or 0.7 percent to $75.1 billion. This follows a 1.6 percent June increase. Electronic and other electrical equipment had the largest decrease, $0.4 billion or 1.0 percent to $40.4 billion. This follows a 1.0 percent June decrease and is the third consecutive monthly decrease.

Inventories of nondurable goods, up seven consecutive months, increased $0.5 billion or 0.3 percent to $172.0 billion, following a 0.1 percent June increase. Chemicals and allied products had the largest increase, $0.4 billion or 0.9 percent to $46.5 billion. This follows a 0.5 percent June increase and is the seventeenth increase in the last eighteen months.

By stage of fabrication, July finished goods increased 0.7 percent in durables and 0.3 percent in nondurables. Work in process increased 0.1 percent in durables and decreased 0.1 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.4 percent in nondurables.

Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3

T advance report on durable goods for August is scheduled for September 24, 1998 at 10:00 a.m. and the full report on October 2, 1998 at 10:00 a.m. F sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to da	
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	July 98/97	1998[p]	
All manufacturing industries	334,861	335,110	333,622	-0.1	+0.4	-0.6	302,251	358,824	333,343	298,607	+1.2	2,316,680	2,23
Manufacturing Industries													
with unfilled orders	194,120	193,437	191,363	+0.4	+1.1	-0.4	172,364	210,897	188,024	165,486	+4.2	1,324,585	1,24
without defense capital goods	328,398	328,806	327,064	-0.1	+0.5	-0.5	296,557	351,943	326,970	293,054	+1.2	2,272,301	2,19
Durable goods industries	185,885	186,536	185,789	-0.3	+0.4	-0.6	158,589	204,742	185,809	156,192	+1.5	1,288,413	1,22
With unfilled orders	155,763	155,680	153,590	+0.1	+1.4	-0.6	135,548	172,345	151,387	130,299	+4.0	1,066,011	1,00
Stone, clay, and glass products	8,080	8,033	7,982	+0.6	+0.6	+1.1	8,197	8,712	8,258	7,762	+5.6	54,906	5
Primary metals	15,016	15,049	15,176	-0.2	-0.8	-2.2	13,620	15,842	15,551	14,462	-5.8	108,804	11
Blast furnaces, steel mills	6,021	6,124	6,200	-1.7	-1.2	-2.5	5,471	6,425	6,355	5,915	-7.5	44,647	4
Iron and steel foundries	1,474	1,452	1,479	+1.5	-1.8	-2.2	1,241	1,552	1,570	1,200	+3.4	10,612	
Nonferrous and other primary metals	7,521	7,473	7,497	+0.6	-0.3	-2.0	6,908	7,865	7,626	7,347	-6.0	53,545	5
Fabricated metal products	20,186	19,755	19,745	+2.2	+0.1	+0.9	18,048	20,951	20,167	16,832	+7.2	136,781	12
Industrial machinery and equipment	37,904	37,915	36,561	0.0	+3.7	-0.9	32,206	44,856	35,449	29,766	+8.2	257,446	23
Engines and turbines	2,243	2,310	2,276	-2.9	+1.5	+5.9	1,608	2,829	2,211	1,499	+7.3	15,177	1
Farm and garden machinery	2,127	2,166	2,118	-1.8	+2.3	-2.9	1,663	2,224	2,498	1,702	-2.3	16,349	1
Construction, mining and material handling equipment	4,572	4,581	4,268	-0.2	+7.3	+2.7	4,196	4,996	4,314	3,473	+20.8	30,388	2
Metalworking machinery	3,458	3,430	3,414	+0.8	+0.5	-2.3	2,930	3,836	3,347	3,010	-2.7	23,043	2
Computer and office equipment	11,198	11,190	10,422	+0.1	+7.4	-3.7	8,611	15,262	8,825	7,327	+17.5	71,717	6
Electronic and other electrical equipment	30,887	30,882	29,767	0.0	+3.7	-1.0	26,636	33,909	28,523	25,162	+5.9	205,191	19
Electrical transmission and distribution equipment and industrial apparatus	3,808	3,600	3,522	+5.8	+2.2	+0.5	3,392	3,986	3,448	3,132	+8.3	25,305	2
Household appliances	2,194	2,130	2,051	+3.0	+3.9	+1.2	2,040	2,467	2,050	1,749	+16.6	14,452	1
Electric lighting and wiring equipment	2,239	2,197	2,212	+1.9	-0.7	-1.3	1,880	2,243	2,193	1,847	+1.8	15,129	
Household audio and video equipment	1,036	1,039	1,030	-0.3	+0.9	-5.0	898	957	869	856	+4.9	6,400	
Communications equipment	6,531	7,276	6,977	-10.2	+4.3	+3.9	5,424	8,593	6,362	5,638	-3.8	45,501	
Electronic components	12,850	12,593	11,818	+2.0	+6.6	-4.6	11,211	13,520	11,449	10,271	+9.2	84,394	
Transportation equipment	39,870	40,857	43,562	-2.4	-6.2	-0.7	28,531	43,265	45,533	31,610	-9.7	295,116	2
Motor vehicles and parts	26,503	26,760	29,461	-1.0	-9.2	-0.9	16,646	27,659	31,928	19,687	-15.4	199,969	1
Aircraft, missiles, space vehicles, and parts.	10,546	10,658	11,202	-1.1	-4.9	+0.8	9,376	11,866	10,733	9,463	-0.9	74,272	
Shipbuilding and tanks	887	953	849	-6.9	+12.2	-20.7	832	1,077	828	857	-2.9	6,291	
Instruments and related products	14,056	14,209	13,787	-1.1	+3.1	-0.4	12,603	15,641	13,510	12,342	+2.1	96,250	
Search and navigation equipment	3,073	3,036	2,957	+1.2	+2.7	-2.4	2,753	3,321	2,849	2,542	+8.3	20,722	
Measuring and controlling devices	4,087	4,056	4,150	+0.8	-2.3	+2.2	3,563	4,350	4,134	3,742	-4.8	28,261	
Medical instruments and supplies	4,479	4,676	4,299	-4.2	+8.8	-2.6	4,077	5,179	4,119	3,879	+5.1	30,823	
Photographic goods	1,964	1,975	1,924	-0.6	+2.7	+1.1	1,763	2,274	1,945	1,732	+1.8	13,251	
All other durable goods	19,886	19,836	19,209	+0.3	+3.3	+0.1	18,748	21,566	18,818	18,256	+2.7	133,919	1
Nondurable goods industries	148,976	148,574	147,833	+0.3	+0.5	-0.6	143,662	154,082	147,534	142,415	+0.9	1,028,267	1,0
With unfilled orders	38,357	37,757	37,773	+1.6	0.0	+0.1	36,816	38,552	36,637	35,187	+4.6	258,574	2
Food and kindred products	40,617	40,645	40,143	-0.1	+1.3	-1.1	39,263	41,619	40,236	37,782	+3.9	279,685	2
Meat products	8,661	8,752	8,812	-1.0	-0.7	+0.9	8,583	8,954	9,012	8,592	-0.1	60,304	
Dairy products	6,187	6,205	5,963	-0.3	+4.1	+0.5	6,033	6,417	6,054	4,759	+26.8	41,907	
Beverages	6,169	6,130	6,053	+0.6	+1.3	-0.4	6,539	6,940	6,475	6,244	+4.7	42,732	
All other foods, except fats and oils	17,668	17,517	17,247	+0.9	+1.6	-3.1	16,176	17,267	16,627	16,297	-0.7	120,237	1
Tobacco products	3,434	3,561	3,421	-3.6	+4.1	+0.8	3,358	3,677	3,431	3,179	+5.6	23,576	
Textile mill products	6,906	6,640	6,745	+4.0	-1.6	-0.9	6,240	7,255	6,773	6,357	-1.8	47,209	
Broadwoven fabrics and other textiles	4,134	4,051	4,052	+2.0	0.0	-1.1	3,575	4,340	4,112	3,729	-4.1	28,869	
Paper and allied products	13,939	13,879	13,938	+0.4	-0.4	0.0	13,583	14,452	13,801	13,108	+3.6	97,127	
Pulp, paper, and paperboard mill products	5,310	5,312	5,351	0.0	-0.7	-1.5	5,257	5,473	5,248	5,323	-1.2	37,790	
Paperboard containers and boxes	3,723	3,685	3,632	+1.0	+1.5	+1.1	3,580	3,774	3,677	3,186	+12.4	25,358	
Miscellaneous converted paper products	4,906	4,882	4,955	+0.5	-1.5	+0.9	4,746	5,205	4,876	4,599	+3.2	33,979	
Chemicals and allied products	32,838	32,981	32,501	-0.4	+1.5	+0.4	31,311	34,935	32,920	30,988	+1.0	230,474	2
Industrial chemicals	15,073	15,147	15,059	-0.5	+0.6	+0.5	14,524	15,943	15,228	15,539	-6.5	107,731	1
Drugs, soaps, and toiletries	14,001	13,974	13,505	+0.2	+3.5	+0.5	13,335	14,574	12,595	11,937	+11.7	92,496	
Petroleum and coal products	12,202	12,416	12,599	-1.7	-1.5	-1.4	12,383	12,965	13,175	14,871	-16.7	86,808	1
Rubber and plastics products	13,135	13,001	13,045	+1.0	-0.3	-1.2	12,211	13,817	13,478	12,138	+0.6	92,400	
All other nondurable goods	25,905	25,451	25,441	+1.8	0.0	-0.6	25,313	25,362	23,720	23,992	+5.5	170,988	1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	July 98/97	1998[p]	1997
ll manufacturing industries	335,160	331,188	330,233	+1.2	+0.3	-2.2	306,458	349,890	327,550	298,815	+2.6	2,316,498	2,248,568
ufacturing industries													
th unfilled orders	194,419	189,515	187,974	+2.6	+0.8	-3.2	176,571	201,963	182,231	165,694	+6.6	1,324,403	1,261,506
thout defense capital goods	329,497	325,533	324,836	+1.2	+0.2	-1.8	302,534	344,301	323,354	295,019	+2.5	2,276,439	2,210,626
able goods industries	186,399	182,986	182,777	+1.9	+0.1	-3.3	162,266	196,102	180,165	155,332	+4.5	1,287,679	1,231,965
ith unfilled orders	156,277	152,130	150,578	+2.7	+1.0	-3.8	139,225	163,705	145,743	129,439	+7.6	1,065,277	1,012,522
e, clay, and glass products	8,146	8,192	7,919	-0.6	+3.4	+0.6	8,283	8,859	8,109	7,584	+9.2	55,265	51,648
ary metals	14,404	14,453	14,940	-0.3	-3.3	-3.3	12,827	14,514	14,642	15,212	-15.7	106,588	114,177
last furnaces, steel mills	5,447	5,850	6,286	-6.9	-6.9	+3.1	4,828	5,682	6,172	6,228	-22.5	43,604	46,903
on and steel foundries	1,379	1,278	1,486	+7.9	-14.0	+1.4	1,088	1,333	1,481	1,277	-14.8	10,650	10,349
onferrous and other primary metals	7,578	7,325	7,168	+3.5	+2.2	-9.2	6,911	7,499	6,989	7,707	-10.3	52,334	56,925
icated metal products	20,041	19,722	19,630	+1.6	+0.5	-1.9	18,128	20,951	20,089	17,410	+4.1	137,706	131,414
strial machinery and equipment	37,641	36,922	36,244	+1.9	+1.9	-1.7	31,982	43,007	34,900	30,238	+5.8	255,764	232,787
gines and turbines	2,640	1,988	2,013	+32.8	-1.2	-17.6	2,187	2,524	1,877	1,581	+38.3	14,134	11,943
onstruction, mining and aterial handling equipment	4,384	4,580	4,356	-4.3	+5.1	+2.7	3,695	4,794	4,197	3,393	+8.9	30,893	26,979
etalworking machinery	3,511	3,323	3,373	+5.7	-1.5	-2.2	2,983	3,729	3,306	2,848	+4.7	23,219	22,423
omputer and office equipment	11,141	11,213	10,447	-0.6	+7.3	-2.5	8,720	15,123	9,112	7,435	+17.3	72,116	59,972
tronic and other ctrical equipment	33,082	30,072	29,144	+10.0	+3.2	-8.1	31,946	30,788	27,052	23,298	+37.1	212,486	196,936
ectrical transmission and istribution equipment and dustrial apparatus	3,764	3,656	3,527	+3.0	+3.7	+3.5	3,377	3,946	3,413	3,171	+6.5	25,237	23,908
ectric lighting and viring equipment	2,231	2,117	2,307	+5.4	-8.2	-0.6	1,872	2,163	2,288	2,028	-7.7	15,431	14,884
mmunications equipment	6,381	7,315	7,880	-12.8	-7.2	+17.8	5,266	8,617	7,264	5,281	-0.3	48,371	43,409
ectronic components	15,372	11,844	10,484	+29.8	+13.0	-25.5	16,820	10,597	9,349	8,462	+98.8	88,741	79,420
sportation equipment	39,247	39,349	42,422	-0.3	-7.2	-4.5	27,431	41,140	43,299	28,993	-5.4	290,819	279,374
ircraft, missiles, space vehicles, and parts.	10,314	8,480	10,760	+21.6	-21.2	-16.1	8,435	9,059	9,431	6,665	+26.6	71,612	63,007
hipbuilding and tanks	362	1,592	250	-77.3	536.8	-57.2	284	1,835	284	419	-32.2	5,345	4,917
uments and related products	14,019	14,199	13,228	-1.3	+7.3	-3.7	12,618	15,244	12,892	13,733	-8.1	94,716	94,461
arch and navigation equipment	2,702	3,195	2,677	-15.4	+19.4	-5.8	2,129	3,481	2,414	3,431	-37.9	19,164	19,665
easuring and controlling devices	4,220	3,868	3,880	+9.1	-0.3	-1.0	3,696	4,162	3,864	3,761	-1.7	27,665	28,561
edical instruments and supplies	4,872	4,818	4,313	+1.1	+11.7	-7.2	4,810	4,879	4,201	4,000	+20.3	32,017	28,918
ther durable goods	19,819	20,077	19,250	-1.3	+4.3	+2.2	19,051	21,599	19,182	18,864	+1.0	134,335	131,168
lurable goods industries	148,761	148,202	147,456	+0.4	+0.5	-0.8	144,192	153,788	147,385	143,483	+0.5	1,028,819	1,016,603
ith unfilled orders	38,142	37,385	37,396	+2.0	0.0	-0.5	37,346	38,258	36,488	36,255	+3.0	259,126	248,984

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ase from the prior month to the current month.

ote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, h includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further is on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), ufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	Ju 98/
All manufacturing industries	529,847	529,548	533,470	+0.1	-0.7	-0.6	531,376	527,169	536,103	520,535	+.
Manufacturing industries without defense capital goods	431,303	430,204	433,477	+0.3	-0.8	-0.5	433,480	427,503	435,145	415,441	+.
Durable goods industries	505,402	504,888	508,438	+0.1	-0.7	-0.6	505,600	501,923	510,563	492,960	+.
Stone, clay, and glass products	6,480	6,414	6,255	+1.0	+2.5	-1.0	6,535	6,449	6,302	6,616	-
Primary metals	32,395	33,007	33,603	-1.9	-1.8	-0.7	32,122	32,915	34,243	32,700	-
Blast furnaces, steel mills	13,447	14,021	14,295	-4.1	-1.9	+0.6	13,315	13,958	14,701	13,368	-
Iron and steel foundries	5,535	5,630	5,804	-1.7	-3.0	+0.1	5,514	5,667	5,886	5,016	+
Nonferrous and other primary metals	13,413	13,356	13,504	+0.4	-1.1	-2.4	13,293	13,290	13,656	14,316	-
Fabricated metal products	26,976	27,121	27,154	-0.5	-0.1	-0.4	27,275	27,195	27,195	26,351	+
Industrial machinery and equipment	72,594	72,857	73,850	-0.4	-1.3	-0.4	71,743	71,967	73,816	73,100	-
Engines and turbines	11,921	11,524	11,846	+3.4	-2.7	-2.2	11,491	10,912	11,217	11,506	-
Construction, mining and material handling equipment	11,160	11,348	11,349	-1.7	0.0	+0.8	10,871	11,372	11,574	9,089	+1
Metalworking machinery	7,325	7,272	7,379	+0.7	-1.5	-0.6	7,325	7,272	7,379	7,935	-
Computer and office equipment	7,800	7,857	7,834	-0.7	+0.3	+0.3	8,031	7,922	8,061	9,132	-1
Electronic and other electrical equipment	59,484	57,289	58,099	+3.8	-1.4	-1.1	60,601	55,291	58,412	52,205	+1
Electrical transmission and distribution equipment and industrial apparatus	6,433	6,477	6,421	-0.7	+0.9	+0.1	6,450	6,465	6,505	6,959	-
Electric lighting and wiring equipment	5,229	5,237	5,317	-0.2	-1.5	+1.8	5,229	5,237	5,317	4,726	+1
Communications equipment	17,210	17,360	17,321	-0.9	+0.2	+5.5	17,201	17,359	17,335	14,848	+1
Electronic components	24,716	22,194	22,943	+11.4	-3.3	-5.5	25,887	20,278	23,201	19,415	+3
Transportation equipment	250,704	251,327	252,835	-0.2	-0.6	-0.4	250,220	251,320	253,445	243,290	+
Aircraft, missiles, space vehicles, and parts	215,979	216,211	218,389	-0.1	-1.0	-0.2	215,460	216,401	219,208	210,597	+
Shipbuilding and tanks	17,439	17,964	17,325	-2.9	+3.7	-3.3	17,484	18,032	17,274	18,180	-
Instruments and related products	48,696	48,733	48,743	-0.1	0.0	-1.1	48,595	48,580	48,977	50,359	-
Search and navigation equipment	27,805	28,176	28,017	-1.3	+0.6	-1.0	27,685	28,309	28,149	29,696	-
Measuring and controlling devices	10,257	10,124	10,312	+1.3	-1.8	-2.6	10,257	10,124	10,312	10,715	-
Medical instruments and supplies	9,623	9,230	9,088	+4.3	+1.6	+0.2	9,618	8,885	9,185	7,838	+2
All other durable goods	8,073	8,140	7,899	-0.8	+3.1	+0.5	8,509	8,206	8,173	8,339	+
Nondurable goods industries	24,445	24,660	25,032	-0.9	-1.5	-1.5	25,776	25,246	25,540	27,575	-

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	July 98/97
ll manufacturing industries	468,057	466,701	465,729	+0.3	+0.2	+0.2	469,411	464,495	469,773	451,052	+4.1
ufacturing industries											
h unfilled orders	313,894	312,976	311,938	+0.3	+0.3	+0.3	316,739	312,810	315,984	303,339	+4.4
hout defense capital goods	449,230	448,266	447,375	+0.2	+0.2	+0.2	450,193	445,960	451,131	434,079	+3.7
able goods industries	296,010	295,143	294,375	+0.3	+0.3	+0.3	297,493	293,750	297,637	285,204	+4.3
ith unfilled orders	272,306	271,655	270,782	+0.2	+0.3	+0.3	274,341	271,139	274,150	262,885	+4.4
e, clay, and glass products	9,154	9,110	9,092	+0.5	+0.2	+0.3	9,231	9,225	9,348	9,090	+1.6
ary metals	24,744	24,612	24,465	+0.5	+0.6	+0.5	24,843	24,464	24,468	24,498	+1.4
last furnaces, steel mills	12,315	12,168	11,986	+1.2	+1.5	+1.1	12,349	11,949	11,841	11,713	+5.4
on and steel foundries	1,568	1,562	1,559	+0.4	+0.2	+0.2	1,557	1,590	1,603	1,562	-0.3
onferrous and other primary metals	10,861	10,882	10,920	-0.2	-0.3	-0.1	10,937	10,925	11,024	11,223	-2.5
icated metal products	30,986	30,749	30,460	+0.8	+0.9	-0.4	31,210	31,071	30,831	29,312	+6.5
strial machinery and equipment	61,129	60,900	61,081	+0.4	-0.3	-0.3	61,300	60,233	62,044	60,074	+2.0
gines and turbines	4,188	4,079	4,396	+2.7	-7.2	-1.2	4,197	3,967	4,460	3,905	+7.5
arm and garden machinery	3,694	3,630	3,615	+1.8	+0.4	-0.2	3,442	3,440	3,498	3,308	+4.1
onstruction, mining and aterial handling equipment	8,734	8,682	8,585	+0.6	+1.1	+1.0	8,671	8,735	8,713	7,752	+11.9
etalworking machinery	7,726	7,581	7,510	+1.9	+0.9	+1.2	7,955	7,557	7,695	7,578	+5.0
omputer and office equipment	9,811	10,052	10,186	-2.4	-1.3	-2.2	10,133	9,748	10,585	11,703	-13.4
tronic and other ctrical equipment	40,411	40,818	41,236	-1.0	-1.0	-0.3	40,946	40,751	41,986	40,728	+0.5
ectrical transmission and istribution equipment and ndustrial apparatus	5,288	5,302	5,329	-0.3	-0.5	-1.8	5,299	5,259	5,378	5,695	-7.0
ousehold appliances	2,360	2,325	2,360	+1.5	-1.5	-1.1	2,364	2,367	2,567	2,547	-7.2
ectric lighting and wiring equipment	3,449	3,404	3,395	+1.3	+0.3	-0.1	3,538	3,438	3,488	3,430	+3.1
ousehold audio and ideo equipment	975	940	911	+3.7	+3.2	+6.2	1,060	975	915	1,227	-13.6
ommunications equipment	10,482	10,490	10,576	-0.1	-0.8	-0.3	10,550	10,278	10,840	10,684	-1.3
ectronic components	14,336	14,808	15,132	-3.2	-2.1	-0.3	14,469	14,777	15,196	13,182	+9.8
sportation equipment	75,093	74,597	73,398	+0.7	+1.6	+1.2	75,309	73,728	73,869	69,255	+8.7
otor vehicles and parts	16,909	17,046	16,686	-0.8	+2.2	+1.4	17,036	16,553	16,612	16,716	+1.9
ircraft, missiles, space vehicles, and parts	52,460	51,927	51,114	+1.0	+1.6	+1.0	52,535	51,656	51,611	47,364	+10.9
ipbuilding and tanks	1,730	1,778	1,694	-2.7	+5.0	+3.7	1,730	1,761	1,703	1,595	+8.5
uments and related products	26,683	26,676	26,797	0.0	-0.5	+1.0	27,004	26,854	27,131	26,260	+2.8
arch and navigation equipment	6,786	6,743	6,711	+0.6	+0.5	+1.7	6,989	6,827	6,808	6,779	+3.1
easuring and controlling devices	8,034	8,177	8,299	-1.7	-1.5	+0.5	8,125	8,255	8,369	8,178	-0.6
edical instruments and supplies	8,542	8,433	8,494	+1.3	-0.7	+1.2	8,553	8,426	8,574	8,177	+4.6
otographic goods	2,620	2,621	2,594	0.0	+1.0	+0.4	2,634	2,633	2,669	2,492	+5.7
other durable goods	27,810	27,681	27,846	+0.5	-0.6	+0.5	27,650	27,424	27,960	25,987	+6.4
durable goods industries	172,047	171,558	171,354	+0.3	+0.1	0.0	171,918	170,745	172,136	165,848	+3.7
ith unfilled orders	41,588	41,321	41,156	+0.6	+0.4	+0.2	42,398	41,671	41,834	40,454	+4.8
l and kindred products	37,410	37,427	37,503	0.0	-0.2	0.0	36,207	35,844	36,216	35,011	+3.4
eat products	4,087	4,088	4,099	0.0	-0.3	+1.1	4,091	4,143	4,195	3,943	+3.8
airy products	3,802	3,734	3,837	+1.8	-2.7	+0.5	3,935	3,813	3,921	3,467	+13.5
everages	8,130	8,129	8,121	0.0	+0.1	0.0	7,893	7,978	8,071	7,318	+7.9
ll other foods, except fats and oils	19,482	19,614	19,562	-0.7	+0.3	-0.2	18,477	18,139	18,171	18,667	-1.0
acco products	5,696	5,716	5,779	-0.3	-1.1	+0.1	5,213	5,276	5,537	5,349	-2.5
ile mill products	10,266	10,253	10,254	+0.1	0.0	+0.3	10,404	10,327	10,586	10,264	+1.4
roadwoven fabrics and other textiles	6,391	6,352	6,381	+0.6	-0.5	+0.3	6,457	6,346	6,548	6,302	+2.5
er and allied products	16,494	16,498	16,388	0.0	+0.7	+0.2	16,423	16,462	16,618	15,663	+4.9
ulp, paper, and paperboard mill products	6,702	6,699	6,590	0.0	+1.7	+0.7	6,640	6,647	6,645	6,345	+4.6
aperboard containers and boxes	4,335	4,311	4,229	+0.6	+1.9	+0.4	4,335	4,300	4,261	3,863	+12.2
liscellaneous converted paper products	5,457	5,488	5,569	-0.6	-1.5	-0.6	5,448	5,515	5,712	5,455	-0.1
micals and allied products	46,464	46,061	45,821	+0.9	+0.5	+0.5	46,572	46,035	46,376	42,399	+9.8
ndustrial chemicals	20,436	20,409	20,474	+0.1	-0.3	+0.1	20,445	20,248	20,484	19,643	+4.1
rugs, soaps, and toiletries	20,495	20,199	19,946	+1.5	+1.3	+0.6	20,828	20,518	20,513	17,810	+16.9
oleum and coal products	10,952	10,936	11,169	+0.1	-2.1	-2.0	11,053	11,094	11,498	12,517	-11.7
ber and plastics products	16,539	16,697	16,571	-0.9	+0.8	+0.5	16,531	16,743	16,734	16,316	+1.3
other nondurable goods	28,226	27,970	27,869	+0.9	+0.4	-0.2	29,515	28,964	28,571	28,329	+4.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	July 98/97	1998[p]	19
SHIPMENTS													
All manufacturing industries	334,861	335,110	333,622	-0.1	+0.4	-0.6	302,251	358,824	333,343	298,607	+1.2	2,316,680	2,236,
Market categories :													
Automotive equipment	12,999	13,216	14,259	-1.6	-7.3	-0.6	8,385	13,796	15,322	9,802	-14.5	96,832	96,
Home goods and apparel	19,360	18,978	18,899	+2.0	+0.4	-1.3	18,003	19,997	17,686	17,187	+4.7	128,616	122,
Consumer staples	69,537	69,586	68,662	-0.1	+1.3	-0.6	67,619	71,757	67,904	65,659	+3.0	474,221	459,
Machinery and equipment	62,820	64,527	63,150	-2.6	+2.2	-0.1	52,549	73,874	61,885	51,328	+2.4	435,692	400,
Business supplies	25,691	25,531	25,554	+0.6	-0.1	+0.6	24,242	26,661	25,431	23,946	+1.2	176,049	172,
Construction materials and supplies	21,963	21,852	21,428	+0.5	+2.0	+0.1	21,568	23,494	21,869	20,911	+3.1	149,142	144,
Defense products	6,744	6,645	6,922	+1.5	-4.0	-1.9	6,012	7,207	6,732	5,972	+0.7	46,811	45,
Other materials, supplies and and intermediate products	115,747	114,775	114,748	+0.8	0.0	-1.0	103,873	122,038	116,514	103,802	+0.1	809,317	796,
Durable goods industries :													
Nondefense capital goods [3]	51,078	52,405	50,586	-2.5	+3.6	+0.1	43,977	61,884	47,843	41,807	+5.2	348,715	314,
Excluding aircraft and parts	43,885	45,014	42,980	-2.5	+4.7	-0.1	37,499	53,557	40,601	35,233	+6.4	297,860	269
Defense capital goods [4]	6,463	6,304	6,558	+2.5	-3.9	-2.8	5,694	6,881	6,373	5,553	+2.5	44,379	42,
Durables excluding capital goods	128,344	127,827	128,645	+0.4	-0.6	-0.7	108,918	135,977	131,593	108,832	+0.1	895,319	866
Miscellaneous series :													
Producers' durable equipment	119,659	120,618	120,481	-0.8	+0.1	+0.1	97,394	134,328	120,628	95,781	+1.7	831,608	781
Household durable goods	9,720	9,482	9,258	+2.5	+2.4	-0.5	8,433	10,157	8,738	7,593	+11.1	63,170	58
Information technology industries	24,551	25,298	24,209	-3.0	+4.5	-0.3	20,062	31,310	21,978	19,130	+4.9	164,097	147
Health care equipment and products	12,081	12,261	11,635	-1.5	+5.4	-0.7	11,305	13,091	10,975	10,361	+9.1	81,096	74
NEW ORDERS													
All manufacturing industries	335,160	331,188	330,233	+1.2	+0.3	-2.2	306,458	349,890	327,550	298,815	+2.6	2,316,498	2,248
Market categories :													
Automotive equipment	12,937	13,212	14,256	-2.1	-7.3	-0.1	8,378	13,765	15,257	9,879	-15.2	96,707	96
Home goods and apparel	19,128	19,020	18,891	+0.6	+0.7	+0.3	17,995	20,048	17,851	17,979	+0.1	128,494	124
Consumer staples	69,618	69,623	68,622	0.0	+1.5	-0.7	68,165	71,952	67,878	66,032	+3.2	474,930	460
Machinery and equipment	62,491	63,470	63,803	-1.5	-0.5	-0.8	52,533	71,748	62,575	51,369	+2.3	438,532	404
Business supplies	25,751	25,635	25,537	+0.5	+0.4	+0.4	24,578	26,759	25,559	24,159	+1.7	176,955	173
Construction materials and supplies	21,916	21,781	21,424	+0.6	+1.7	-0.8	21,523	23,448	21,792	21,238	+1.3	149,816	145
Defense products	6,015	6,111	5,621	-1.6	+8.7	-20.1	4,414	6,081	4,457	4,341	+1.7	42,047	40
Other materials, supplies and and intermediate products	117,304	112,336	112,079	+4.4	+0.2	-4.1	108,872	116,089	112,181	103,818	+4.9	809,017	803
Durable goods industries :													
Nondefense capital goods [3]	50,663	51,053	50,834	-0.8	+0.4	-0.8	43,568	59,785	47,891	41,350	+5.4	349,400	316
Excluding aircraft and parts	43,605	44,412	43,052	-1.8	+3.2	+1.2	37,225	52,208	40,473	36,656	+1.6	298,462	273,
Defense capital goods [4]	5,663	5,655	5,397	+0.1	+4.8	-21.4	3,924	5,589	4,196	3,796	+3.4	40,059	37,
Durables excluding capital goods	130,073	126,278	126,546	+3.0	-0.2	-3.3	114,774	130,728	128,078	110,186	+4.2	898,220	877,
Miscellaneous series :													
Producers' durable equipment	118,686	119,480	121,218	-0.7	-1.4	0.0	97,584	131,701	121,272	97,392	+0.2	833,540	789,
Household durable goods	9,481	9,509	9,271	-0.3	+2.6	+2.4	8,438	10,166	8,872	8,366	+0.9	62,684	59,
Information technology industries	24,322	25,545	24,675	-4.8	+3.5	+3.7	20,008	31,359	22,732	20,116	-0.5	166,566	151,
Health care equipment and products	12,473	12,404	11,650	+0.6	+6.5	-2.5	12,039	12,792	11,059	10,487	+14.8	82,293	74,

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, an handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating a industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, a and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; sh and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	July 98/97
UNFILLED ORDERS											
Manufacturing industries	529,847	529,548	533,470	+0.1	-0.7	-0.6	531,376	527,169	536,103	520,535	+2.1
Selected categories :											
Automotive equipment	2,363	2,426	2,431	-2.6	-0.2	-0.1	2,361	2,368	2,398	2,549	-7.4
Textile goods and apparel	7,999	8,232	8,189	-2.8	+0.5	-0.1	8,435	8,444	8,392	9,337	-9.7
Consumer staples	2,297	2,216	2,179	+3.7	+1.7	-1.8	2,757	2,212	2,018	2,656	+3.8
Machinery and equipment	245,641	245,970	247,027	-0.1	-0.4	+0.3	245,582	245,599	247,724	229,096	+7.2
Business supplies	6,939	6,878	6,774	+0.9	+1.5	-0.3	7,338	7,002	6,903	7,231	+1.5
Construction materials											
Metal supplies	18,158	18,205	18,276	-0.3	-0.4	0.0	18,300	18,345	18,391	17,706	+3.4
Defense products	93,429	94,158	94,692	-0.8	-0.6	-1.4	92,781	94,379	95,505	100,332	-7.5
Other materials, supplies and total intermediate products	153,021	151,463	153,902	+1.0	-1.6	-1.7	153,822	148,820	154,772	151,628	+1.4
Durable goods industries :											
Defense capital goods [3]	262,572	262,987	264,339	-0.2	-0.5	+0.1	261,901	262,310	264,409	248,734	+5.3
Excluding aircraft and parts	104,445	104,725	105,327	-0.3	-0.6	+0.1	103,774	104,048	105,397	100,566	+3.2
Defense capital goods [4]	98,544	99,344	99,993	-0.8	-0.6	-1.1	97,896	99,666	100,958	105,094	-6.8
Nondurables excluding capital goods	144,286	142,557	144,106	+1.2	-1.1	-1.4	145,803	139,947	145,196	139,132	+4.8
Miscellaneous series :											
Producers' durable equipment	285,075	286,048	287,186	-0.3	-0.4	+0.3	285,046	284,856	287,483	268,019	+6.4
Household durable goods	5,109	5,348	5,321	-4.5	+0.5	+0.2	5,297	5,292	5,283	6,382	-17.0
Information technology industries	40,204	40,433	40,186	-0.6	+0.6	+1.2	40,439	40,493	40,444	40,026	+1.0
Health care equipment											
Aerospace products	9,664	9,272	9,130	+4.2	+1.6	+0.2	9,662	8,928	9,227	7,880	+22.6
TOTAL INVENTORIES											
Manufacturing industries	468,057	466,701	465,729	+0.3	+0.2	+0.2	469,411	464,495	469,773	451,052	+4.1
Selected categories :											
Automotive equipment	8,584	8,532	8,410	+0.6	+1.5	+1.6	8,640	8,291	8,508	8,299	+4.1
Textile goods and apparel	31,404	31,308	31,205	+0.3	+0.3	+0.2	32,336	32,304	32,296	31,451	+2.8
Consumer staples	73,090	72,821	72,887	+0.4	-0.1	0.0	72,056	71,515	72,377	68,933	+4.5
Machinery and equipment	120,048	119,419	119,143	+0.5	+0.2	+0.3	120,216	118,269	120,923	115,649	+3.9
Business supplies	28,323	28,038	27,938	+1.0	+0.4	-0.1	28,665	28,044	28,227	27,033	+6.0
Construction materials											
Metal supplies	28,566	28,377	28,395	+0.7	-0.1	0.0	28,725	28,485	28,725	28,081	+2.3
Defense products	18,577	18,172	18,044	+2.2	+0.7	+1.5	18,909	18,245	18,312	16,728	+13.0
Other materials, supplies and total intermediate products	159,465	160,034	159,707	-0.4	+0.2	+0.2	159,864	159,342	160,405	154,878	+3.2
Durable goods industries :											
Defense capital goods [3]	112,204	111,859	111,412	+0.3	+0.4	0.0	112,634	110,896	113,190	109,228	+3.1
Excluding aircraft and parts	72,132	71,962	72,340	+0.2	-0.5	-0.4	72,782	71,360	73,884	72,460	+0.4
Defense capital goods [4]	18,827	18,435	18,354	+2.1	+0.4	+1.4	19,218	18,535	18,642	16,973	+13.2
Nondurables excluding capital goods	164,979	164,849	164,609	+0.1	+0.1	+0.4	165,641	164,319	165,805	159,003	+4.2
Miscellaneous series :											
Producers' durable equipment	192,408	191,731	191,128	+0.4	+0.3	+0.2	193,337	190,686	193,644	186,859	+3.5
Household durable goods	15,882	15,819	15,767	+0.4	+0.3	+0.9	16,180	16,069	16,183	15,518	+4.3
Information technology industries	33,375	33,783	34,094	-1.2	-0.9	-0.4	33,972	33,411	34,962	35,381	-4.0
Health care equipment											
Aerospace products	19,646	19,381	19,306	+1.4	+0.4	+0.9	19,835	19,543	19,690	17,844	+11.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				P c
	July 1998[p]	June 1998[r]	May 1998	June-July	May-June	Apr.-May	July 1998[p]	June 1998[r]	May 1998	July 1997	9
MATERIALS AND SUPPLIES											
All manufacturing industries	155,980	155,572	154,704	+0.3	+0.6	+0.1	156,303	154,597	154,112	150,098	
Durable goods industries	93,358	93,198	92,778	+0.2	+0.5	+0.3	93,722	92,252	92,159	89,636	
Stone, clay, and glass products	3,031	3,001	2,962	+1.0	+1.3	-0.6	3,044	3,002	2,956	2,962	
Primary metals	8,087	8,045	7,913	+0.5	+1.7	+0.6	8,087	7,896	7,686	7,869	
Fabricated metal products	10,841	10,728	10,506	+1.1	+2.1	-1.3	10,857	10,718	10,412	10,150	
Industrial machinery and equipment	19,776	19,807	20,013	-0.2	-1.0	-0.1	19,859	19,658	20,157	19,515	
Electronic and other electrical equipment	15,699	15,710	15,750	-0.1	-0.3	+1.1	15,924	15,587	15,774	15,687	
Transportation equipment	15,813	15,671	15,315	+0.9	+2.3	+0.4	15,964	15,512	15,217	14,906	
Instruments and related products	9,225	9,307	9,380	-0.9	-0.8	+1.4	9,281	9,371	9,465	8,556	
Lumber, furniture and miscellaneous durable goods	10,886	10,929	10,939	-0.4	-0.1	+0.7	10,706	10,508	10,492	9,991	
Nondurable goods industries	62,622	62,374	61,926	+0.4	+0.7	-0.3	62,581	62,345	61,953	60,462	
Food and kindred products	11,415	11,331	11,176	+0.7	+1.4	-0.4	11,184	11,189	11,046	10,704	
Tobacco products	4,906	4,949	4,994	-0.9	-0.9	-0.2	4,597	4,679	4,875	4,753	
Textile mill products	2,980	2,988	2,999	-0.3	-0.4	+1.1	3,030	3,010	3,092	3,085	
Paper and allied products	8,142	8,116	7,986	+0.3	+1.6	-0.2	8,072	8,059	7,981	7,581	
Chemicals and allied products	15,353	15,329	15,119	+0.2	+1.4	-0.3	15,485	15,481	15,187	14,597	
Petroleum and coal products	3,387	3,204	3,343	+5.7	-4.2	-2.1	3,396	3,254	3,439	3,769	
Rubber and plastics products	6,768	6,788	6,721	-0.3	+1.0	+0.4	6,832	6,781	6,724	6,473	
Apparel, printing and publishing and leather goods	9,671	9,669	9,588	0.0	+0.8	-0.3	9,985	9,892	9,609	9,500	
WORK IN PROCESS											
All manufacturing industries	151,338	151,248	150,901	+0.1	+0.2	+0.4	151,942	149,912	151,984	144,050	
Durable goods industries	121,525	121,420	121,101	+0.1	+0.3	+0.5	122,311	120,691	122,388	116,206	
Stone, clay, and glass products	1,356	1,316	1,304	+3.0	+0.9	+0.4	1,374	1,334	1,355	1,242	
Primary metals	8,575	8,526	8,610	+0.6	-1.0	-0.6	8,689	8,511	8,666	8,966	
Fabricated metal products	9,064	9,079	9,012	-0.2	+0.7	+0.6	9,161	9,099	9,086	8,732	
Industrial machinery and equipment	22,740	22,736	22,884	0.0	-0.6	+0.3	22,917	22,621	23,264	22,399	
Electronic and other electrical equipment	14,165	14,544	14,677	-2.6	-0.9	-1.7	14,282	14,602	14,911	13,903	
Transportation equipment	50,280	49,925	49,279	+0.7	+1.3	+1.4	50,233	49,145	49,627	45,151	
Instruments and related products	10,021	9,967	10,020	+0.5	-0.5	+0.7	10,274	10,040	10,124	10,547	
Lumber, furniture and miscellaneous durable goods	5,324	5,327	5,315	-0.1	+0.2	+0.2	5,381	5,339	5,355	5,266	
Nondurable goods industries	29,813	29,828	29,800	-0.1	+0.1	+0.2	29,631	29,221	29,596	27,844	
Food and kindred products	5,843	5,812	5,814	+0.5	0.0	-0.2	5,247	5,278	5,273	5,027	
Tobacco products	122	119	122	+2.5	-2.5	+1.7	114	105	111	112	
Textile mill products	2,671	2,668	2,641	+0.1	+1.0	-1.7	2,684	2,641	2,664	2,683	
Paper and allied products	1,574	1,575	1,637	-0.1	-3.8	-1.8	1,587	1,584	1,662	1,557	
Chemicals and allied products	8,698	8,690	8,683	+0.1	+0.1	+1.0	8,828	8,717	8,850	7,463	
Petroleum and coal products	2,578	2,612	2,659	-1.3	-1.8	-0.9	2,573	2,612	2,734	2,760	
Rubber and plastics products	2,158	2,241	2,174	-3.7	+3.1	-2.7	2,121	2,180	2,165	2,205	
Apparel, printing and publishing and leather goods	6,169	6,111	6,070	+0.9	+0.7	+2.3	6,477	6,104	6,137	6,037	
FINISHED GOODS											
All manufacturing industries	160,739	159,881	160,124	+0.5	-0.2	+0.2	161,166	159,986	163,677	156,904	
Durable goods industries	81,127	80,525	80,496	+0.7	0.0	+0.1	81,460	80,807	83,090	79,362	
Stone, clay, and glass products	4,767	4,793	4,826	-0.5	-0.7	+0.8	4,813	4,889	5,037	4,886	
Primary metals	8,082	8,041	7,942	+0.5	+1.2	+1.7	8,067	8,057	8,116	7,663	
Fabricated metal products	11,081	10,942	10,942	+1.3	0.0	-0.3	11,192	11,254	11,333	10,430	
Industrial machinery and equipment	18,613	18,357	18,184	+1.4	+1.0	-1.2	18,524	17,954	18,623	18,160	
Electronic and other electrical equipment	10,547	10,564	10,809	-0.2	-2.3	-0.6	10,740	10,562	11,301	11,138	
Transportation equipment	9,000	9,001	8,804	0.0	+2.2	+1.0	9,112	9,071	9,025	9,198	
Instruments and related products	7,437	7,402	7,397	+0.5	+0.1	+1.0	7,449	7,443	7,542	7,157	
Lumber, furniture and miscellaneous durable goods	11,600	11,425	11,592	+1.5	-1.4	+0.5	11,563	11,577	12,113	10,730	
Nondurable goods industries	79,612	79,356	79,628	+0.3	-0.3	+0.2	79,706	79,179	80,587	77,542	
Food and kindred products	20,152	20,284	20,513	-0.7	-1.1	+0.3	19,776	19,377	19,897	19,280	
Tobacco products	668	648	663	+3.1	-2.3	+2.0	502	492	551	484	
Textile mill products	4,615	4,597	4,614	+0.4	-0.4	+0.9	4,690	4,676	4,830	4,496	
Paper and allied products	6,778	6,807	6,765	-0.4	+0.6	+1.0	6,764	6,819	6,975	6,525	
Chemicals and allied products	22,413	22,042	22,019	+1.7	+0.1	+0.8	22,259	21,837	22,339	20,339	
Petroleum and coal products	4,987	5,120	5,167	-2.6	-0.9	-2.5	5,084	5,228	5,325	5,988	
Rubber and plastics products	7,613	7,668	7,676	-0.7	-0.1	+1.6	7,578	7,782	7,845	7,638	
Apparel, printing and publishing and leather goods	12,386	12,190	12,211	+1.6	-0.2	-1.4	13,053	12,968	12,825	12,792	

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1998[p]	June 1998[r]	May 1998	Apr. 1998	July 1998[p]	June 1998[r]	May 1998	Apr. 1998
manufacturing industries	1.40	1.39	1.40	1.38	2.73	2.74	2.79	2.79
le goods industries	1.59	1.58	1.58	1.57	3.24	3.24	3.31	3.31
e, clay, and glass products	1.13	1.13	1.14	1.15	0.84	0.84	0.82	0.84
ary metals	1.65	1.64	1.61	1.57	2.16	2.19	2.21	2.18
icated metal products	1.54	1.56	1.54	1.56	1.42	1.46	1.46	1.48
strial machinery and equipment	1.61	1.61	1.67	1.66	2.03	2.04	2.14	2.14
ronic and other ctrical equipment	1.31	1.32	1.39	1.38	1.93	1.86	1.95	1.95
sportation equipment	1.88	1.83	1.68	1.65	11.08	10.80	10.44	10.41
uments and related products	1.90	1.88	1.94	1.92	3.46	3.43	3.54	3.56
rable goods industries	1.15	1.15	1.16	1.15	0.64	0.65	0.66	0.67
and kindred products	0.92	0.92	0.93	0.92	(X)	(X)	(X)	(X)
cco products	1.66	1.61	1.69	1.70	(X)	(X)	(X)	(X)
le mill products	1.49	1.54	1.52	1.50	(NA)	(NA)	(NA)	(NA)
and allied products	1.18	1.19	1.18	1.17	(NA)	(NA)	(NA)	(NA)
nicals and allied products	1.41	1.40	1.41	1.41	(X)	(X)	(X)	(X)
leum and coal products	0.90	0.88	0.89	0.89	(X)	(X)	(X)	(X)
er and plastics products	1.26	1.28	1.27	1.25	(X)	(X)	(X)	(X)

reliminary. [r] Revised. (X) Not applicable. (NA) Not available.

xcludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; eum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1998	July[2] 1993-1997	July 1997-June 1998	July[1] 1998	July[2] 1993-1997	July 1997-June 1998	July[1] 1998	July[2] 1993-1997	July 1997-June 1998	July[1] 1998	July[2] 1993-1997	July 1997-June 1998
nanufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.1	0.1
: goods industries	-0.1	0.3	0.2	-0.5	0.3	0.3	-0.2	0.1	0.0	(X)	0.1	0.1
, clay, and glass products	(X)	0.4	0.3	(X)	1.4	0.7	(X)	1.0	0.7	(X)	0.1	0.2
ry metals	0.0	0.1	0.3	-0.1	0.5	0.6	-0.1	0.3	0.2	(X)	0.2	0.1
:ated metal products	(X)	0.3	0.2	(X)	0.3	0.3	(X)	0.2	0.2	(X)	0.1	0.1
rial machinery and equipment	0.2	0.2	0.3	-0.1	0.3	0.3	-0.1	0.1	0.1	(X)	0.2	0.1
onic and other rical equipment	-1.1	0.5	0.5	-2.0	0.8	0.8	-0.6	0.3	0.3	(X)	0.1	0.1
portation equipment	0.0	0.7	0.5	-0.6	0.8	0.6	0.0	0.1	0.1	(X)	0.2	0.3
ments and related products	(X)	0.4	0.5	(X)	1.3	1.2	(X)	0.2	0.3	(X)	0.2	0.1
able goods industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.0
and kindred products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
co products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
e mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
icals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
eum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
:r and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
goods industries :												
efense	0.0	0.2	0.3	-0.6	0.6	0.5	-0.1	0.1	0.1	(X)	0.1	0.2
se	0.0	0.6	0.9	0.2	2.6	2.4	0.0	0.2	0.2	(X)	0.2	0.2

Not applicable. (NA) Not available.

te : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The ly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the e goods industries are shown in the advance report for the month.

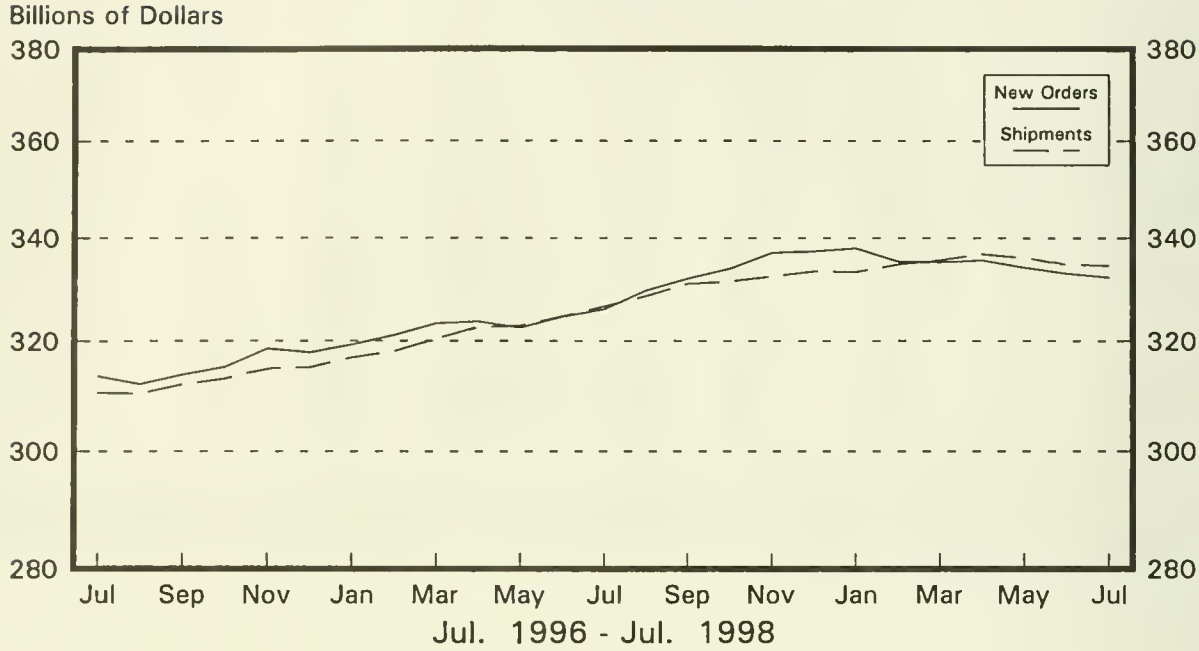
he current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

verage for this month for the last five years.

: note at end of table 2 relating to survey error and revision.

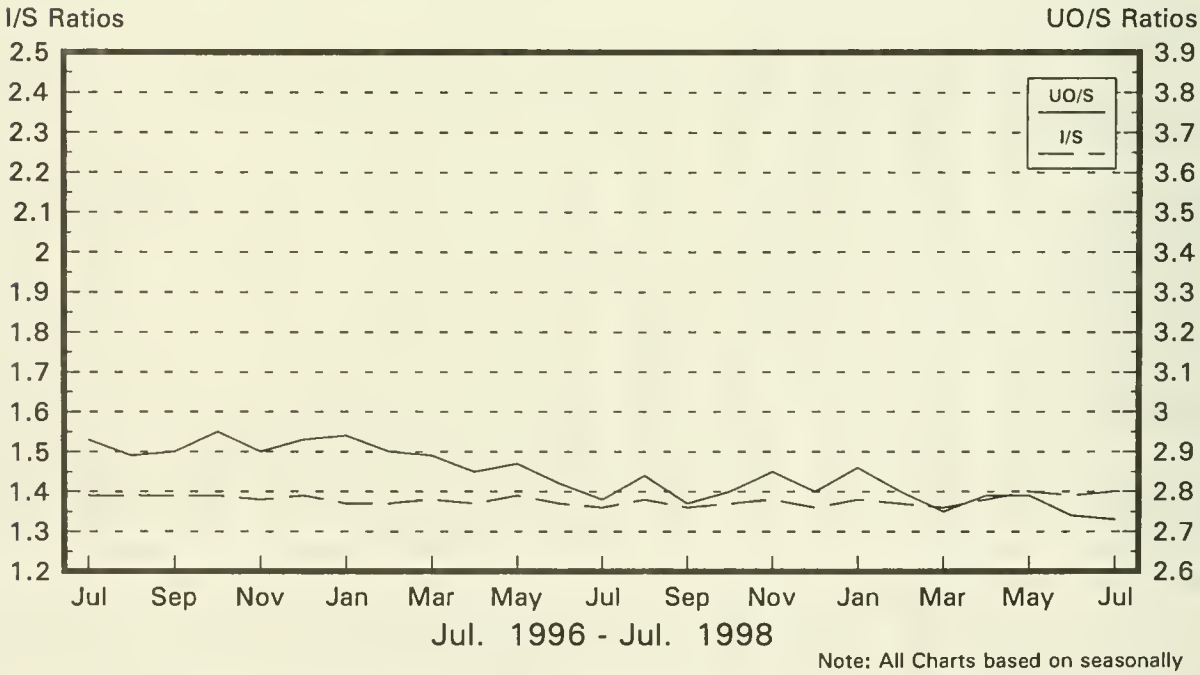
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

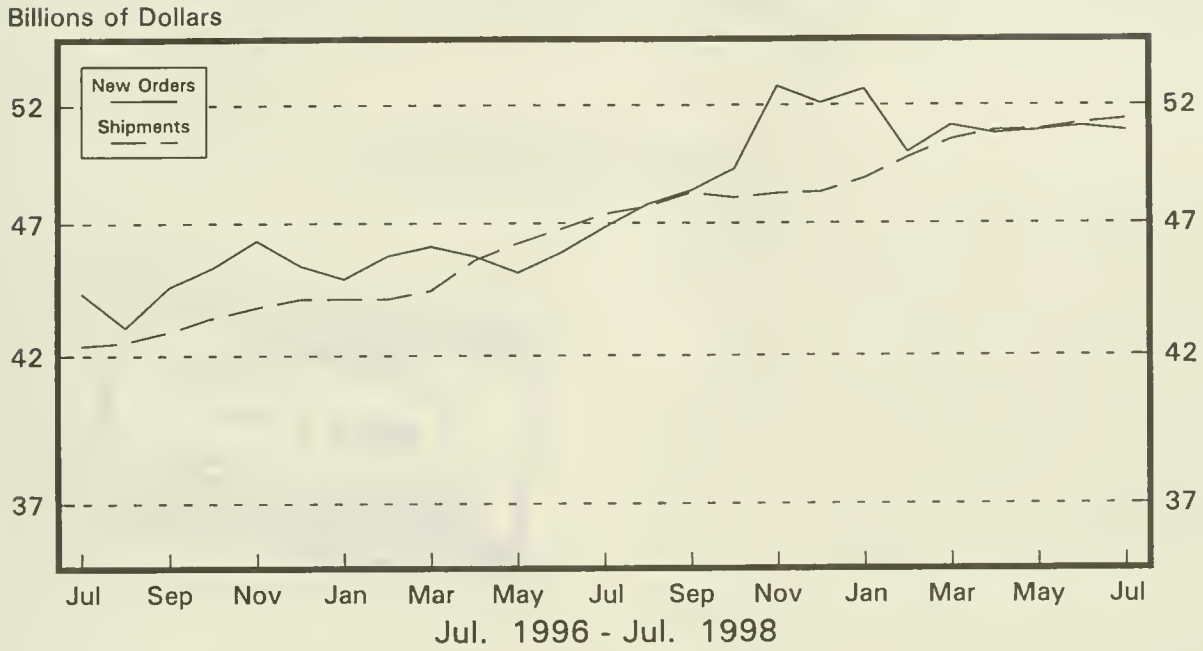
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

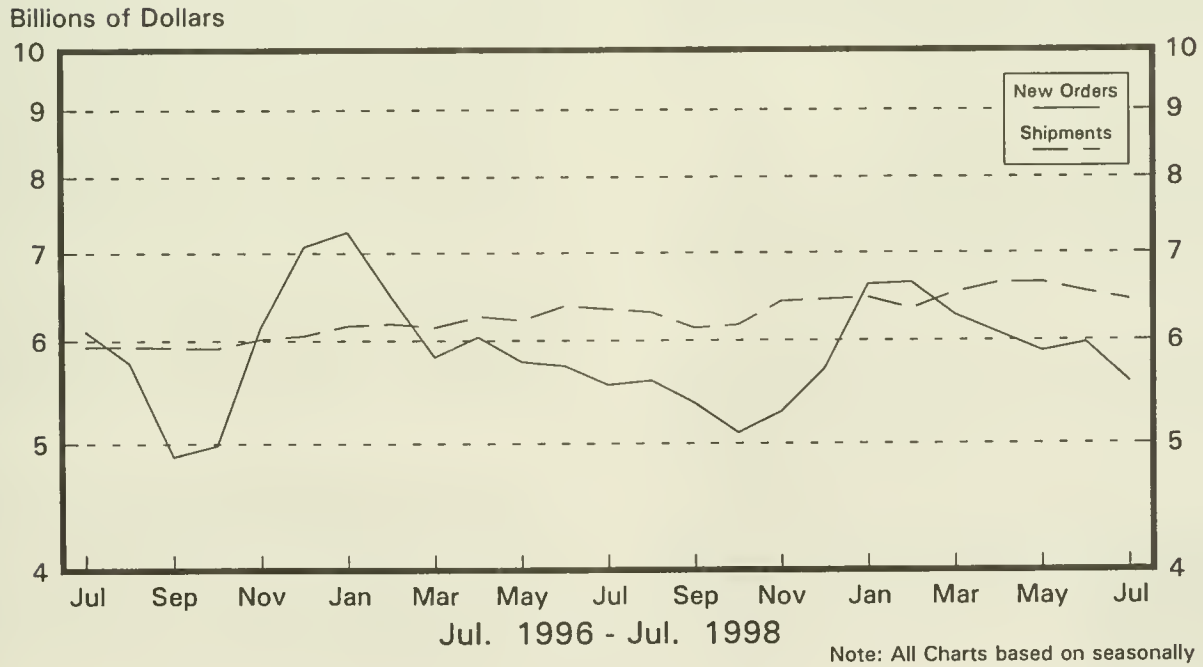
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in August increased $2.9 billion or 0.9 percent to $337.7 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.1 percent July increase and is the fifth increase in the last six months. Excluding transportation, new orders decreased 1.2 percent, the first decline since May. Year to date, new orders are 2.8 percent above the same period a year ago.

Shipments increased $1.3 billion or 0.4 percent to $336.7 billion, following a 0.1 percent July increase. This is the third consecutive monthly increase. Year to date, shipments are 3.4 percent above the same period a year ago.

Unfilled orders, up for the first month since April, increased $1.0 billion or 0.2 percent to $530.0 billion, following a 0.1 percent July decrease. The unfilled orders-to-shipments ratio was 2.74, up from 2.72 in July.

Inventories increased $0.8 billion or 0.2 percent to $468.4 billion. This is the nineteenth increase in the last twenty months. The inventories-to-shipments ratio was 1.39, unchanged from 1.39 in July.

New Orders

New orders for manufactured durable goods in August increased $3.2 billion or 1.7 percent to $189.8 billion, revised from the previously published 1.6 percent increase. This follows a 2.0 percent July increase and is the fourth increase in the last five months. Transportation equipment, up for the second consecutive month, had the largest increase, $6.4 billion or 16.1 percent to $46.2 billion; led by aircraft and parts and motor vehicles and parts, all industries increased. This follows a 1.1 percent July increase. Electronic and other electrical equipment, down for the first month since May, decreased $2.3 billion or 6.9 percent to $30.6 billion, due to electronic components. This follows a 9.2 percent July increase.

New orders for nondurable goods, down for the first month since May, decreased $0.3 billion or 0.2 percent to $147.9 billion. This follows a slight July increase. Declines in petroleum and coal products, printing and publishing, and chemicals and allied products more than offset an increase in food and kindred products.

Shipments

Shipments of durable goods in August increased $1.8 billion or 0.9 percent to $188.7 billion, revised from the previously published 1.1 percent increase. This follows a 0.2 percent July increase and is the third consecutive monthly increase. Transportation equipment, up for the first month since March, had the largest increase, $3.4 billion or 8.5 percent to $44.0 billion. This follows a 0.7 percent July decrease. Industrial machinery and equipment, down three of the last four months, decreased $1.0 billion or 2.6 percent to $36.8 billion. This follows a 0.3 percent July decrease.

Shipments of nondurable goods, down four of the last five months, decreased $0.4 billion or 0.3 percent to $148.0 billion, following a 0.1 percent July decrease. Declines in petroleum and coal products, printing and publishing, and chemicals and allied products more than offset an increase in food and kindred products. Petroleum and coal products, down eleven of the last twelve months, decreased $0.5 billion or 3.9 percent to $11.7 billion. This follows a 2.1 percent July decline. Food and kindred products increased $0.7 billion or 1.8 percent to $41.3 billion, following a 0.2 percent July decline.

Unfilled Orders

Unfilled orders for durable goods in August increased $1.2 billion or 0.2 percent to $505.8 billion, revised from the previously published 0.1 percent increase. This follows a 0.1 percent July decrease and is the first increase since April. Transportation equipment, up for the first month since April, had the largest increase, $2.2 billion or 0.9 percent to $252.7 billion. This follows a 0.3 percent July decrease. Industrial machinery and equipment, up for the first month since March, increased $0.8 billion or 1.0 percent to $73.4 billion, following a 0.2 percent July decrease. Primary metals decreased $0.5 billion or 1.6 percent to $31.8 billion. This follows a 2.1 percent July decrease and is the sixth consecutive monthly decline.

Inventories

Inventories of durable goods in August increased $1.2 billion or 0.4 percent to $296.9 billion, following a 0.2 percent July increase. This is the eighth consecutive monthly increase and the eighteenth in the last twenty months. Transportation equipment, up for the eighth consecutive month, had the largest increase, $0.8 billion or 1.1 percent to $75.9 billion. This follows a 0.6 percent July increase.

Inventories of nondurable goods, down for the first month since December, decreased $0.4 billion or 0.3 percent to $171.5 billion, following a 0.2 percent July increase. Food and kindred products had the largest decrease, $0.3 billion or 0.8 percent to $37.1 billion. This follows a slight July decrease and is the third consecutive monthly decrease.

By stage of fabrication, August finished goods increased 0.3 percent in durables and declined 0.2 percent in nondurables. Work in process increased 1.2 percent in durables and decreased 1.2 percent in nondurables. Materials and supplies decreased 0.5 percent in durables and increased 0.1 percent in nondurables.

Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3

The advance report on durable goods for September is scheduled for October 28, 1998 at 8:30 a.m. and the full report on November 4, 1998 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97	1998[p]	199
All manufacturing industries	336,692	335,380	335,110	+0.4	+0.1	+0.4	337,907	302,131	358,824	329,999	+2.4	2,654,467	2,566,98
Manufacturing Industries													
with unfilled orders	193,748	194,476	193,437	-0.4	+0.5	+1.1	191,944	172,719	210,897	183,665	+4.5	1,516,884	1,433,58
without defense capital goods	329,993	328,885	328,806	+0.3	0.0	+0.5	331,444	296,440	351,943	324,170	+2.2	2,603,628	2,518,60
Durable goods industries	188,668	186,907	186,536	+0.9	+0.2	+0.4	186,344	158,992	204,742	178,322	+4.5	1,475,160	1,401,65
With unfilled orders	156,002	156,164	155,680	-0.1	+0.3	+1.4	152,872	135,900	172,345	145,700	+4.9	1,219,235	1,149,58
Stone, clay, and glass products	8,071	8,104	8,033	-0.4	+0.9	+0.6	8,532	8,249	8,712	8,044	+6.1	63,490	59,58
Primary metals	15,099	14,968	15,049	+0.9	-0.5	-0.8	15,009	13,580	15,842	15,695	-4.4	123,773	126,4
Blast furnaces, steel mills	6,128	6,006	6,124	+2.0	-1.9	-1.2	6,060	5,460	6,425	6,334	-4.3	50,696	51,7
Iron and steel foundries	1,463	1,469	1,452	-0.4	+1.2	-1.8	1,493	1,240	1,552	1,444	+3.4	12,104	11,0
Nonferrous and other primary metals	7,508	7,493	7,473	+0.2	+0.3	-0.3	7,456	6,880	7,865	7,917	-5.8	60,973	63,5
Fabricated metal products	20,047	20,309	19,755	-1.3	+2.8	+0.1	20,494	18,129	20,951	19,473	+5.2	157,356	148,4
Industrial machinery and equipment	36,821	37,810	37,915	-2.6	-0.3	+3.7	33,991	32,255	44,856	31,849	+6.7	291,486	264,6
Engines and turbines	2,277	2,245	2,310	+1.4	-2.8	+1.5	2,008	1,608	2,829	1,806	+11.2	17,185	15,2
Farm and garden machinery	2,019	2,109	2,166	-4.3	-2.6	+2.3	1,620	1,669	2,224	1,638	-1.1	17,975	16,3
Construction, mining and material handling equipment	4,328	4,540	4,581	-4.7	-0.9	+7.3	4,118	4,188	4,996	3,692	+11.5	34,498	30,2
Metalworking machinery	3,451	3,455	3,430	-0.1	+0.7	+0.5	3,291	2,932	3,836	3,331	-1.2	26,336	26,0
Computer and office equipment	11,098	11,246	11,190	-1.3	+0.5	+7.4	9,819	8,687	15,262	8,447	+16.2	81,612	69,2
Electronic and other electrical equipment	31,086	31,216	30,882	-0.4	+1.1	+3.7	30,345	27,019	33,909	29,146	+4.1	235,919	222,1
Electrical transmission and distribution equipment and industrial apparatus	3,701	3,805	3,600	-2.7	+5.7	+2.2	3,628	3,392	3,986	3,323	+9.2	28,933	26,8
Household appliances	2,079	2,196	2,130	-5.3	+3.1	+3.9	2,098	2,041	2,467	1,948	+7.7	16,551	15,1
Electric lighting and wiring equipment	2,241	2,242	2,197	0.0	+2.0	-0.7	2,218	1,882	2,243	2,154	+3.0	17,349	16,8
Household audio and video equipment	1,019	1,033	1,039	-1.4	-0.6	+0.9	1,071	898	957	1,041	+2.9	7,471	7,0
Communications equipment	6,942	6,784	7,276	+2.3	-6.8	+4.3	6,363	5,664	8,593	6,398	-0.5	52,104	47,3
Electronic components	12,925	12,982	12,593	-0.4	+3.1	+6.6	12,812	11,412	13,520	12,084	+6.0	97,407	91,7
Transportation equipment	44,005	40,556	40,857	+8.5	-0.7	-6.2	44,255	28,518	43,265	41,490	+6.7	339,358	326,7
Motor vehicles and parts	29,643	27,092	26,760	+9.4	+1.2	-9.2	30,356	16,637	27,659	29,419	+3.2	230,316	227,3
Aircraft, missiles, space vehicles, and parts	11,036	10,566	10,658	+4.4	-0.9	-4.9	10,504	9,374	11,866	9,348	+12.4	84,774	77,1
Shipbuilding and tanks	1,003	894	953	+12.2	-6.2	+12.2	1,006	832	1,077	839	+19.9	7,297	7,0
Instruments and related products	13,823	14,042	14,209	-1.6	-1.2	+3.1	13,433	12,608	15,641	13,134	+2.3	109,688	104,8
Search and navigation equipment	3,121	3,085	3,036	+1.2	+1.6	+2.7	3,032	2,753	3,321	2,629	+15.3	23,754	21,3
Measuring and controlling devices	3,897	4,062	4,056	-4.1	+0.1	-2.3	3,854	3,565	4,350	4,231	-8.9	32,117	32,5
Medical instruments and supplies	4,363	4,474	4,676	-2.5	-4.3	+8.8	4,234	4,076	5,179	4,046	+4.6	35,056	32,6
Photographic goods	1,992	1,969	1,975	+1.2	-0.3	+2.7	1,866	1,763	2,274	1,796	+3.9	15,117	15,0
All other durable goods	19,716	19,902	19,836	-0.9	+0.3	+3.3	20,285	18,634	21,566	19,491	+4.1	154,090	148,7
Nondurable goods industries	148,024	148,473	148,574	-0.3	-0.1	+0.5	151,563	143,139	154,082	151,677	-0.1	1,179,307	1,165,3
With unfilled orders	37,746	38,312	37,757	-1.5	+1.5	0.0	39,072	36,819	38,552	37,965	+2.9	297,649	284,0
Food and kindred products	41,279	40,562	40,645	+1.8	-0.2	+1.3	42,140	39,068	41,619	40,045	+5.2	321,630	308,7
Meat products	8,936	8,696	8,752	+2.8	-0.6	-0.7	9,269	8,591	8,954	9,098	+1.9	69,581	68,3
Dairy products	6,252	6,156	6,205	+1.6	-0.8	+4.1	6,358	5,976	6,417	5,013	+26.8	48,208	38,9
Beverages	6,148	6,068	6,130	+1.3	-1.0	+1.3	6,651	6,378	6,940	6,382	+4.2	49,222	46,9
All other foods, except fats and oils	17,836	17,696	17,517	+0.8	+1.0	+1.6	17,755	16,177	17,267	17,587	+1.0	137,993	138,6
Tobacco products	3,507	3,444	3,561	+1.8	-3.3	+4.1	3,611	3,357	3,677	3,323	+8.7	27,186	25,1
Textile mill products	6,771	6,940	6,640	-2.4	+4.5	-1.6	7,101	6,292	7,255	7,346	-3.3	54,362	55,2
Broadwoven fabrics and other textiles	4,032	4,150	4,051	-2.8	+2.4	0.0	4,149	3,596	4,340	4,367	-5.0	33,039	33,7
Paper and allied products	13,765	13,929	13,879	-1.2	+0.4	-0.4	13,972	13,580	14,452	13,635	+2.5	111,096	105,8
Pulp, paper, and paperboard mill products	5,284	5,310	5,312	-0.5	0.0	-0.7	5,353	5,251	5,473	5,447	-1.7	43,137	42,1
Paperboard containers and boxes	3,568	3,724	3,685	-4.2	+1.1	+1.5	3,635	3,593	3,774	3,369	+7.9	29,006	26,5
Miscellaneous converted paper products	4,913	4,895	4,882	+0.4	+0.3	-1.5	4,984	4,736	5,205	4,819	+3.4	38,953	37,1
Chemicals and allied products	32,223	32,468	32,981	-0.8	-1.6	+1.5	31,701	30,935	34,935	31,909	-0.7	261,799	259,5
Industrial chemicals	14,745	14,956	15,147	-1.4	-1.3	+0.6	14,801	14,475	15,943	16,205	-8.7	122,483	130,0
Drugs, soaps, and toiletries	13,904	13,788	13,974	+0.8	-1.3	+3.5	13,719	13,008	14,574	12,351	+11.1	105,888	96,3
Petroleum and coal products	11,685	12,153	12,416	-3.9	-2.1	-1.5	12,314	12,428	12,965	16,116	-23.6	99,167	118,4
Rubber and plastics products	13,199	13,104	13,001	+0.7	+0.8	-0.3	13,449	12,150	13,817	13,121	+2.5	105,788	104,3
All other nondurable goods	25,595	25,873	25,451	-1.1	+1.7	0.0	27,275	25,329	25,362	26,182	+4.2	198,279	188,0

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97	1998[p]	1997
ll manufacturing industries	337,732	334,821	331,188	+0.9	+1.1	+0.3	336,156	306,253	349,890	333,072	+0.9	2,652,449	2,581,640
nufacturing industries													
ith unfilled orders	194,788	193,917	189,515	+0.4	+2.3	+0.8	190,193	176,841	201,963	186,738	+1.9	1,514,866	1,448,244
ithout defense capital goods	332,826	329,299	325,533	+1.1	+1.2	+0.2	332,629	302,334	344,301	329,030	+1.1	2,608,868	2,539,656
able goods industries	189,835	186,617	182,986	+1.7	+2.0	+0.1	185,296	162,637	196,102	182,130	+1.7	1,473,346	1,414,095
ith unfilled orders	157,169	155,874	152,130	+0.8	+2.5	+1.0	151,824	139,545	163,705	149,508	+1.5	1,217,421	1,162,030
ne, clay, and glass products	8,029	8,187	8,192	-1.9	-0.1	+3.4	8,452	8,361	8,859	7,868	+7.4	63,795	59,516
nary metals	14,581	14,273	14,453	+2.2	-1.2	-3.3	14,204	12,753	14,514	15,859	-10.4	120,718	130,036
last furnaces, steel mills	5,610	5,382	5,850	+4.2	-8.0	-6.9	5,384	4,805	5,682	6,306	-14.6	48,965	53,209
on and steel foundries	1,605	1,370	1,278	+17.2	+7.2	-14.0	1,563	1,089	1,333	1,419	+10.1	12,214	11,768
onferrous and other primary metals	7,366	7,521	7,325	-2.1	+2.7	+2.2	7,257	6,859	7,499	8,134	-10.8	59,539	65,059
ricated metal products	19,746	20,132	19,722	-1.9	+2.1	+0.5	20,071	18,222	20,951	19,479	+3.0	157,871	150,893
ustrial machinery and equipment	37,574	37,636	36,922	-0.2	+1.9	+1.9	34,648	32,179	43,007	32,038	+8.1	290,609	264,825
ngines and turbines	3,521	2,645	1,988	+33.1	+33.0	-1.2	3,423	2,187	2,524	2,044	+67.5	17,557	13,987
onstruction, mining and material handling equipment	3,948	4,290	4,580	-8.0	-6.3	+5.1	3,511	3,702	4,794	3,736	-6.0	34,411	30,715
letalworking machinery	3,473	3,503	3,323	-0.9	+5.4	-1.5	3,313	2,980	3,729	3,514	-5.7	26,529	25,937
omputer and office equipment	11,215	11,261	11,213	-0.4	+0.4	+7.3	9,905	8,850	15,123	7,936	+24.8	82,151	67,908
tronic and other ctrical equipment	30,584	32,840	30,072	-6.9	+9.2	+3.2	29,314	32,182	30,788	33,634	-12.8	242,036	230,570
lectrical transmission and istribution equipment and ndustrial apparatus	3,733	3,764	3,656	-0.8	+3.0	+3.7	3,652	3,377	3,946	3,233	+13.0	28,889	27,141
lectric lighting and wiring equipment	2,220	2,212	2,117	+0.4	+4.5	-8.2	2,197	1,852	2,163	2,265	-3.0	17,608	17,149
ommunications equipment	6,745	6,463	7,315	+4.4	-11.6	-7.2	6,150	5,332	8,617	6,230	-1.3	54,587	49,639
ectronic components	12,757	15,158	11,844	-15.8	+28.0	+13.0	11,973	17,083	10,597	16,347	-26.8	100,977	95,767
sportation equipment	46,160	39,768	39,349	+16.1	+1.1	-7.2	45,543	27,428	41,140	41,026	+11.0	336,359	320,400
ircraft, missiles, space vehicles, and parts	12,943	10,172	8,480	+27.2	+20.0	-21.2	11,517	8,432	9,059	9,379	+22.8	83,126	72,386
hipbuilding and tanks	486	373	1,592	+30.3	-76.6	536.8	459	285	1,835	392	+17.1	5,805	5,309
uments and related products	13,433	13,970	14,199	-3.8	-1.6	+7.3	12,825	12,623	15,244	12,611	+1.7	107,546	107,072
earch and navigation equipment	2,741	2,701	3,195	+1.5	-15.5	+19.4	2,419	2,129	3,481	2,124	+13.9	21,583	21,789
easuring and controlling devices	3,905	4,195	3,868	-6.9	+8.5	-0.3	3,862	3,698	4,162	4,189	-7.8	31,529	32,750
edical instruments and supplies	4,352	4,849	4,818	-10.2	+0.6	+11.7	4,256	4,809	4,879	4,279	-0.5	36,272	33,197
other durable goods	19,728	19,811	20,077	-0.4	-1.3	+4.3	20,239	18,889	21,599	19,615	+3.2	154,412	150,783
durable goods industries	147,897	148,204	148,202	-0.2	0.0	+0.5	150,860	143,616	153,788	150,942	-0.1	1,179,103	1,167,545
ith unfilled orders	37,619	38,043	37,385	-1.1	+1.8	0.0	38,369	37,296	38,258	37,230	+3.1	297,445	286,214

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97
All manufacturing industries	530,029	528,989	529,548	+0.2	-0.1	-0.7	529,540	531,291	527,169	523,608	+1.1
Manufacturing industries without defense capital goods	433,451	430,618	430,204	+0.7	+0.1	-0.8	434,582	433,397	427,503	420,301	+3.4
Durable goods industries	505,765	504,598	504,888	+0.2	-0.1	-0.7	504,520	505,568	501,923	496,768	+1.6
Stone, clay, and glass products	6,455	6,497	6,414	-0.6	+1.3	+2.5	6,481	6,561	6,449	6,440	+0.6
Primary metals	31,794	32,312	33,007	-1.6	-2.1	-1.8	31,283	32,088	32,915	32,864	-4.8
Blast furnaces, steel mills	12,879	13,397	14,021	-3.9	-4.5	-1.9	12,627	13,303	13,958	13,340	-5.3
Iron and steel foundries	5,673	5,531	5,630	+2.6	-1.8	-3.0	5,586	5,516	5,667	4,991	+11.9
Nonferrous and other primary metals	13,242	13,384	13,356	-1.1	+0.2	-1.1	13,070	13,269	13,290	14,533	-10.1
Fabricated metal products	26,643	26,944	27,121	-1.1	-0.7	-0.1	26,865	27,288	27,195	26,357	+1.9
Industrial machinery and equipment	73,436	72,683	72,857	+1.0	-0.2	-1.3	72,548	71,891	71,967	73,289	-1.0
Engines and turbines	13,168	11,924	11,524	+10.4	+3.5	-2.7	12,906	11,491	10,912	11,744	+9.9
Construction, mining and material handling equipment	10,718	11,098	11,348	-3.4	-2.2	0.0	10,279	10,886	11,372	9,133	+12.5
Metalworking machinery	7,342	7,320	7,272	+0.3	+0.7	-1.5	7,342	7,320	7,272	8,118	-9.6
Computer and office equipment	7,989	7,872	7,857	+1.5	+0.2	+0.3	8,171	8,085	7,922	8,621	-5.2
Electronic and other electrical equipment	58,411	58,913	57,289	-0.9	+2.8	-1.4	59,423	60,454	55,291	56,693	+4.8
Electrical transmission and distribution equipment and industrial apparatus	6,468	6,436	6,477	+0.5	-0.6	+0.9	6,474	6,450	6,465	6,869	-5.8
Electric lighting and wiring equipment	5,186	5,207	5,237	-0.4	-0.6	-1.5	5,186	5,207	5,237	4,837	+7.2
Communications equipment	16,842	17,039	17,360	-1.2	-1.8	+0.2	16,814	17,027	17,359	14,680	+14.5
Electronic components	24,202	24,370	22,194	-0.7	+9.8	-3.3	25,110	25,949	20,278	23,678	+6.0
Transportation equipment	252,694	250,539	251,327	+0.9	-0.3	-0.6	251,518	250,230	251,320	242,826	+3.6
Aircraft, missiles, space vehicles, and parts	217,724	215,817	216,211	+0.9	-0.2	-1.0	216,472	215,459	216,401	210,628	+2.8
Shipbuilding and tanks	16,926	17,443	17,964	-3.0	-2.9	+3.7	16,938	17,485	18,032	17,733	-4.5
Instruments and related products	48,271	48,661	48,733	-0.8	-0.1	0.0	47,987	48,595	48,580	49,836	-3.7
Search and navigation equipment	27,412	27,792	28,176	-1.4	-1.4	+0.6	27,072	27,685	28,309	29,191	-7.3
Measuring and controlling devices	10,265	10,257	10,124	+0.1	+1.3	-1.8	10,265	10,257	10,124	10,673	-3.8
Medical instruments and supplies	9,594	9,605	9,230	-0.1	+4.1	+1.6	9,640	9,618	8,885	8,071	+19.4
All other durable goods	8,061	8,049	8,140	+0.1	-1.1	+3.1	8,415	8,461	8,206	8,463	-0.6
Nondurable goods industries	24,264	24,391	24,660	-0.5	-1.1	-1.5	25,020	25,723	25,246	26,840	-6.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97
ll manufacturing industries	468,399	467,636	466,701	+0.2	+0.2	+0.2	471,400	469,220	464,495	455,123	+3.6
nufacturing industries											
h unfilled orders	314,971	313,620	312,976	+0.4	+0.2	+0.3	318,785	316,461	312,810	305,982	+4.2
hout defense capital goods	449,324	448,801	448,266	+0.1	+0.1	+0.2	451,956	450,000	445,960	438,154	+3.2
able goods industries	296,871	295,669	295,143	+0.4	+0.2	+0.3	299,663	297,154	293,750	287,937	+4.1
ith unfilled orders	273,418	272,043	271,655	+0.5	+0.1	+0.3	276,436	274,042	271,139	265,312	+4.2
ne, clay, and glass products	9,171	9,112	9,110	+0.6	0.0	+0.2	9,136	9,176	9,225	8,979	+1.7
nary metals	24,867	24,763	24,612	+0.4	+0.6	+0.6	24,924	24,851	24,464	24,579	+1.4
last furnaces, steel mills	12,466	12,335	12,168	+1.1	+1.4	+1.5	12,484	12,349	11,949	11,740	+6.3
on and steel foundries	1,585	1,570	1,562	+1.0	+0.5	+0.2	1,558	1,557	1,590	1,532	+1.7
onferrous and other primary metals	10,816	10,858	10,882	-0.4	-0.2	-0.3	10,882	10,945	10,925	11,307	-3.8
ricated metal products	30,993	30,939	30,749	+0.2	+0.6	+0.9	31,034	31,152	31,071	29,175	+6.4
istrial machinery and equipment	60,940	60,903	60,900	+0.1	0.0	-0.3	61,633	61,030	60,233	60,720	+1.5
ngines and turbines	4,150	4,179	4,079	-0.7	+2.5	-7.2	4,320	4,196	3,967	4,085	+5.8
arm and garden machinery	3,741	3,688	3,630	+1.4	+1.6	+0.4	3,500	3,431	3,440	3,286	+6.5
onstruction, mining and material handling equipment	8,743	8,711	8,682	+0.4	+0.3	+1.1	8,680	8,653	8,735	7,804	+11.2
fetalworking machinery	7,868	7,761	7,581	+1.4	+2.4	+0.9	8,212	7,980	7,557	7,640	+7.5
omputer and office equipment	9,502	9,625	10,052	-1.3	-4.2	-1.3	9,991	9,891	9,748	11,855	-15.7
tronic and other ctrical equipment	40,433	40,345	40,818	+0.2	-1.2	-1.0	41,054	40,866	40,751	40,795	+0.6
ectrical transmission and istribution equipment and ndustrial apparatus	5,274	5,283	5,302	-0.2	-0.4	-0.5	5,309	5,299	5,259	5,684	-6.6
ousehold appliances	2,370	2,363	2,325	+0.3	+1.6	-1.5	2,338	2,364	2,367	2,441	-4.2
ectric lighting and wiring equipment	3,485	3,458	3,404	+0.8	+1.6	+0.3	3,562	3,544	3,438	3,421	+4.1
ousehold audio and ideo equipment	1,004	980	940	+2.4	+4.3	+3.2	1,105	1,060	975	1,188	-7.0
ommunications equipment	10,340	10,407	10,490	-0.6	-0.8	-0.8	10,525	10,491	10,278	10,776	-2.3
ectronic components	14,361	14,317	14,808	+0.3	-3.3	-2.1	14,482	14,448	14,777	13,438	+7.8
sportation equipment	75,853	75,032	74,597	+1.1	+0.6	+1.6	76,801	75,256	73,728	70,561	+8.8
otor vehicles and parts	16,470	16,790	17,046	-1.9	-1.5	+2.2	16,815	17,022	16,553	16,667	+0.9
ircraft, missiles, space vehicles, and parts	53,628	52,529	51,927	+2.1	+1.2	+1.6	54,176	52,504	51,656	48,670	+11.3
ipbuilding and tanks	1,839	1,739	1,778	+5.8	-2.2	+5.0	1,828	1,729	1,761	1,573	+16.2
uments and related products	26,664	26,659	26,676	0.0	-0.1	-0.5	27,113	27,010	26,854	26,483	+2.4
arch and navigation equipment	6,724	6,773	6,743	-0.7	+0.4	+0.5	6,909	6,988	6,827	6,794	+1.7
easuring and controlling devices	8,091	8,033	8,177	+0.7	-1.8	-1.5	8,188	8,127	8,255	8,138	+0.6
edical instruments and supplies	8,510	8,526	8,433	-0.2	+1.1	-0.7	8,611	8,554	8,426	8,355	+3.1
otographic goods	2,631	2,622	2,621	+0.3	0.0	+1.0	2,695	2,634	2,633	2,552	+5.6
other durable goods	27,950	27,916	27,681	+0.1	+0.8	-0.6	27,968	27,813	27,424	26,645	+5.0
durable goods industries	171,528	171,967	171,558	-0.3	+0.2	+0.1	171,737	172,066	170,745	167,186	+2.7
ith unfilled orders	41,553	41,577	41,321	-0.1	+0.6	+0.4	42,349	42,419	41,671	40,670	+4.1
l and kindred products	37,143	37,424	37,427	-0.8	0.0	-0.2	36,857	36,333	35,844	36,032	+2.3
eat products	4,094	4,083	4,088	+0.3	-0.1	-0.3	4,015	4,087	4,143	3,885	+3.3
airy products	3,774	3,786	3,734	-0.3	+1.4	-2.7	3,840	3,926	3,813	3,422	+12.2
everages	8,186	8,190	8,129	0.0	+0.8	+0.1	7,975	7,987	7,978	7,464	+6.8
ll other foods, except fats and oils	19,257	19,467	19,614	-1.1	-0.7	+0.3	19,334	18,521	18,139	19,768	-2.2
acco products	5,553	5,665	5,716	-2.0	-0.9	-1.1	5,232	5,210	5,276	5,479	-4.5
ile mill products	10,289	10,285	10,253	0.0	+0.3	0.0	10,380	10,428	10,327	10,269	+1.1
oadwoven fabrics and other textiles	6,391	6,393	6,352	0.0	+0.6	-0.5	6,430	6,461	6,346	6,316	+1.8
r and allied products	16,621	16,584	16,498	+0.2	+0.5	+0.7	16,579	16,513	16,462	15,760	+5.2
lp, paper, and paperboard mill products	6,695	6,711	6,699	-0.2	+0.2	+1.7	6,681	6,648	6,647	6,418	+4.1
aperboard containers and boxes	4,342	4,328	4,311	+0.3	+0.4	+1.9	4,318	4,327	4,300	3,862	+11.8
iscellaneous converted paper products	5,584	5,545	5,488	+0.7	+1.0	-1.5	5,580	5,538	5,515	5,480	+1.8
micals and allied products	46,515	46,382	46,061	+0.3	+0.7	+0.5	46,397	46,483	46,035	42,353	+9.5
dustrial chemicals	20,335	20,381	20,409	-0.2	-0.1	-0.3	20,279	20,393	20,248	19,820	+2.3
rugs, soaps, and toiletries	20,481	20,441	20,199	+0.2	+1.2	+1.3	20,716	20,783	20,518	17,619	+17.6
oleum and coal products	10,699	10,906	10,936	-1.9	-0.3	-2.1	10,764	11,066	11,094	12,793	-15.9
ber and plastics products	16,711	16,650	16,697	+0.4	-0.3	+0.8	16,502	16,646	16,743	16,195	+1.9
other nondurable goods	27,997	28,071	27,970	-0.3	+0.4	+0.4	29,026	29,387	28,964	28,305	+2.5

Preliminary. [r] Revised.

ee note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97	1998[p]	1997
SHIPMENTS													
All manufacturing industries	336,692	335,380	335,110	+0.4	+0.1	+0.4	337,907	302,131	358,824	329,999	+2.4	2,654,467	2,566,98
Market categories :													
Automotive equipment	14,643	13,344	13,216	+9.7	+1.0	-7.3	15,026	8,370	13,796	14,269	+5.3	111,843	110,34
Home goods and apparel	18,978	19,329	18,978	-1.8	+1.8	+0.4	20,009	17,945	19,997	19,341	+3.5	148,567	141,89
Consumer staples	69,558	69,212	69,586	+0.5	-0.5	+1.3	71,075	67,118	71,757	69,670	+2.0	544,795	529,46
Machinery and equipment	63,678	63,235	64,527	+0.7	-2.0	+2.2	60,697	52,850	73,874	56,887	+6.7	496,690	457,16
Business supplies	25,452	25,623	25,531	-0.7	+0.4	-0.1	25,650	24,196	26,661	25,523	+0.5	201,653	197,94
Construction materials and supplies	21,851	22,063	21,852	-1.0	+1.0	+2.0	22,973	21,640	23,494	22,354	+2.8	172,187	166,92
Defense products	6,984	6,792	6,645	+2.8	+2.2	-4.0	6,788	6,027	7,207	6,228	+9.0	53,614	51,36
Other materials, supplies and and intermediate products	115,548	115,782	114,775	-0.2	+0.9	0.0	115,689	103,985	122,038	115,727	0.0	925,118	911,87
Durable goods industries :													
Nondefense capital goods [3]	51,118	51,316	52,405	-0.4	-2.1	+3.6	47,770	44,305	61,884	44,367	+7.7	396,813	359,12
Excluding aircraft and parts	43,649	44,124	45,014	-1.1	-2.0	+4.7	40,745	37,828	53,557	38,077	+7.0	338,934	307,68
Defense capital goods [4]	6,699	6,495	6,304	+3.1	+3.0	-3.9	6,463	5,691	6,881	5,829	+10.9	50,839	48,38
Durables excluding capital goods	130,851	129,096	127,827	+1.4	+1.0	-0.6	132,111	108,996	135,977	128,126	+3.1	1,027,508	994,14
Miscellaneous series :													
Producers' durable equipment	121,788	120,398	120,618	+1.2	-0.2	+0.1	119,065	97,546	134,328	113,104	+5.3	950,825	894,70
Household durable goods	9,299	9,629	9,482	-3.4	+1.6	+2.4	9,295	8,281	10,157	8,735	+6.4	72,313	66,74
Information technology industries	24,740	24,835	25,298	-0.4	-1.8	+4.5	22,752	20,382	31,310	21,494	+5.9	187,169	169,44
Health care equipment and products	11,912	11,962	12,261	-0.4	-2.4	+5.4	11,689	11,130	13,091	10,771	+8.5	92,610	85,10
NEW ORDERS													
All manufacturing industries	337,732	334,821	331,188	+0.9	+1.1	+0.3	336,156	306,253	349,890	333,072	+0.9	2,652,449	2,581,64
Market categories :													
Automotive equipment	14,594	13,276	13,212	+9.9	+0.5	-7.3	15,009	8,363	13,765	14,347	+4.6	111,701	110,65
Home goods and apparel	19,139	19,105	19,020	+0.2	+0.4	+0.7	20,088	17,919	20,048	19,007	+5.7	148,506	143,74
Consumer staples	69,560	69,283	69,623	+0.4	-0.5	+1.5	70,991	67,646	71,952	69,595	+2.0	545,402	529,96
Machinery and equipment	67,133	62,709	63,470	+7.1	-1.2	-0.5	63,850	52,752	71,748	57,822	+10.4	502,601	462,06
Business supplies	25,480	25,666	25,635	-0.7	+0.1	+0.4	25,639	24,501	26,759	25,450	+0.7	202,517	198,62
Construction materials and supplies	21,738	21,986	21,781	-1.1	+0.9	+1.7	22,747	21,569	23,448	22,306	+2.0	172,609	168,17
Defense products	5,293	5,901	6,111	-10.3	-3.4	+8.7	4,026	4,423	6,081	4,565	-11.8	46,082	45,03
Other materials, supplies and and intermediate products	114,795	116,895	112,336	-1.8	+4.1	+0.2	113,806	109,080	116,089	119,980	-5.1	923,031	923,38
Durable goods industries :													
Nondefense capital goods [3]	55,161	50,763	51,053	+8.7	-0.6	+0.4	51,659	43,832	59,785	44,856	+15.2	401,323	361,18
Excluding aircraft and parts	44,741	43,708	44,412	+2.4	-1.6	+3.2	41,683	37,492	52,208	37,620	+10.8	340,412	311,57
Defense capital goods [4]	4,906	5,522	5,655	-11.2	-2.4	+4.8	3,527	3,919	5,589	4,042	-12.7	43,581	41,98
Durables excluding capital goods	129,768	130,332	126,278	-0.4	+3.2	-0.2	130,110	114,886	130,728	133,232	-2.3	1,028,442	1,010,93
Miscellaneous series :													
Producers' durable equipment	124,330	119,173	119,480	+4.3	-0.3	-1.4	121,518	97,641	131,701	114,229	+6.4	955,115	903,44
Household durable goods	9,403	9,373	9,509	+0.3	-1.4	+2.6	9,425	8,249	10,166	8,485	+11.1	71,920	68,42
Information technology industries	24,448	24,505	25,545	-0.2	-4.1	+3.5	22,419	20,212	31,359	20,668	+8.5	189,189	172,43
Health care equipment and products	11,900	12,336	12,404	-3.5	-0.5	+6.5	11,709	11,864	12,792	11,007	+6.4	93,827	85,66

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97
UNFILLED ORDERS											
manufacturing industries	530,029	528,989	529,548	+0.2	-0.1	-0.7	529,540	531,291	527,169	523,608	+1.1
et categories :											
tomotive equipment	2,310	2,358	2,426	-2.0	-2.8	-0.2	2,344	2,361	2,368	2,627	-10.8
me goods and apparel	8,168	8,007	8,232	+2.0	-2.7	+0.5	8,497	8,418	8,444	9,003	-5.6
nsumer staples	2,290	2,288	2,216	+0.1	+3.2	+1.7	2,655	2,739	2,212	2,582	+2.8
achinery and equipment	248,898	245,443	245,970	+1.4	-0.2	-0.4	248,655	245,501	245,599	230,031	+8.1
siness supplies	6,950	6,922	6,878	+0.4	+0.6	+1.5	7,295	7,307	7,002	7,157	+1.9
nstruction materials nd supplies	18,017	18,129	18,205	-0.6	-0.4	-0.4	18,048	18,274	18,345	17,658	+2.2
fense products	91,576	93,267	94,158	-1.8	-0.9	-0.6	90,013	92,775	94,379	98,669	-8.8
her materials, supplies and nd intermediate products	151,820	152,575	151,463	-0.5	+0.7	-1.6	152,033	153,916	148,820	155,881	-2.5
ble goods industries :											
ndefense capital goods [3]	266,477	262,434	262,987	+1.5	-0.2	-0.5	265,726	261,837	262,310	249,223	+6.6
xcluding aircraft and parts	105,401	104,309	104,725	+1.0	-0.4	-0.6	104,650	103,712	104,048	100,109	+4.5
fense capital goods [4]	96,578	98,371	99,344	-1.8	-1.0	-0.6	94,958	97,894	99,666	103,307	-8.1
rables excluding capital goods	142,710	143,793	142,557	-0.8	+0.9	-1.1	143,836	145,837	139,947	144,238	-0.3
llaneous series :											
ducers' durable equipment	287,365	284,823	286,048	+0.9	-0.4	-0.4	287,404	284,951	284,856	269,144	+6.8
usehold durable goods	5,196	5,092	5,348	+2.0	-4.8	+0.5	5,390	5,260	5,292	6,132	-12.1
ormation technology industries	39,811	40,103	40,433	-0.7	-0.8	+0.6	39,990	40,323	40,493	39,200	+2.0
alth care equipment nd products	9,634	9,646	9,272	-0.1	+4.0	+1.6	9,682	9,661	8,928	8,116	+19.3
TOTAL INVENTORIES											
manufacturing industries	468,399	467,636	466,701	+0.2	+0.2	+0.2	471,400	469,220	464,495	455,123	+3.6
et categories :											
tomotive equipment	8,348	8,535	8,532	-2.2	0.0	+1.5	8,558	8,630	8,291	8,314	+2.9
me goods and apparel	31,694	31,564	31,308	+0.4	+0.8	+0.3	32,382	32,501	32,304	31,366	+3.2
nsumer staples	72,578	73,016	72,821	-0.6	+0.3	-0.1	72,399	72,164	71,515	69,977	+3.5
achinery and equipment	120,806	119,846	119,419	+0.8	+0.4	+0.2	122,175	119,920	118,269	117,541	+3.9
siness supplies	28,141	28,210	28,038	-0.2	+0.6	+0.4	28,535	28,621	28,044	27,521	+3.7
nstruction materials nd supplies	28,771	28,542	28,377	+0.8	+0.6	-0.1	28,786	28,666	28,485	28,105	+2.4
fense products	18,819	18,573	18,172	+1.3	+2.2	+0.7	19,120	18,898	18,245	16,697	+14.5
her materials, supplies and nd intermediate products	159,242	159,350	160,034	-0.1	-0.4	+0.2	159,445	159,820	159,342	155,602	+2.5
ble goods industries :											
ndefense capital goods [3]	112,879	111,963	111,859	+0.8	+0.1	+0.4	114,361	112,277	110,896	111,182	+2.9
xcluding aircraft and parts	71,861	71,834	71,962	0.0	-0.2	-0.5	73,046	72,464	71,360	73,179	-0.2
fense capital goods [4]	19,075	18,835	18,435	+1.3	+2.2	+0.4	19,444	19,220	18,535	16,969	+14.6
rables excluding capital goods	164,917	164,871	164,849	0.0	0.0	+0.1	165,858	165,657	164,319	159,786	+3.8
llaneous series :											
ducers' durable equipment	193,152	192,212	191,731	+0.5	+0.3	+0.3	195,263	193,150	190,686	188,474	+3.6
usehold durable goods	16,115	16,041	15,819	+0.5	+1.4	+0.3	16,450	16,351	16,069	15,594	+5.5
ormation technology industries	32,986	33,119	33,783	-0.4	-2.0	-0.9	33,869	33,680	33,411	35,695	-5.1
alth care equipment nd products	19,608	19,601	19,381	0.0	+1.1	+0.4	19,832	19,812	19,543	17,920	+10.7

e footnotes at end of table 5.

e note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang
	Aug. 1998[p]	July 1998[r]	June 1998	July-Aug.	June-July	May-June	Aug. 1998[p]	July 1998[r]	June 1998	Aug. 1997	Aug. 98/97
MATERIALS AND SUPPLIES											
All manufacturing industries	155,661	156,118	155,572	-0.3	+0.4	+0.6	155,934	156,626	154,597	150,086	+3.
Durable goods industries	92,951	93,445	93,198	-0.5	+0.3	+0.5	93,648	93,984	92,252	89,933	+4.
Stone, clay, and glass products	3,049	3,031	3,001	+0.6	+1.0	+1.3	3,084	3,038	3,002	2,954	+4.
Primary metals	8,011	8,034	8,045	-0.3	-0.1	+1.7	8,073	8,039	7,896	7,974	+1.
Fabricated metal products	10,693	10,780	10,728	-0.8	+0.5	+2.1	10,708	10,804	10,718	10,102	+6.
Industrial machinery and equipment	19,755	20,005	19,807	-1.2	+1.0	-1.0	20,137	20,141	19,658	19,640	+2.
Electronic and other electrical equipment	15,726	15,719	15,710	0.0	+0.1	-0.3	15,900	15,957	15,587	15,442	+3.
Transportation equipment	15,518	15,737	15,671	-1.4	+0.4	+2.3	15,497	15,956	15,512	14,799	+4.
Instruments and related products	9,258	9,223	9,307	+0.4	-0.9	-0.8	9,335	9,280	9,371	8,685	+7.
Lumber, furniture and miscellaneous durable goods	10,941	10,916	10,929	+0.2	-0.1	-0.1	10,914	10,769	10,508	10,337	+5.
Nondurable goods industries	62,710	62,673	62,374	+0.1	+0.5	+0.7	62,286	62,642	62,345	60,153	+3.
Food and kindred products	11,499	11,529	11,331	-0.3	+1.7	+1.4	11,165	11,291	11,189	10,585	+5.
Tobacco products	4,817	4,886	4,949	-1.4	-1.3	-0.9	4,618	4,597	4,679	4,839	-4.
Textile mill products	3,003	2,977	2,988	+0.9	-0.4	-0.4	3,003	3,022	3,010	3,054	-1.
Paper and allied products	8,169	8,154	8,116	+0.2	+0.5	+1.6	8,118	8,080	8,059	7,597	+6.
Chemicals and allied products	15,518	15,385	15,329	+0.9	+0.4	+1.4	15,523	15,504	15,481	14,503	+7.
Petroleum and coal products	3,303	3,364	3,204	-1.8	+5.0	-4.2	3,304	3,392	3,254	3,830	-13.
Rubber and plastics products	6,828	6,790	6,788	+0.6	0.0	+1.0	6,737	6,849	6,781	6,342	+6.
Apparel, printing and publishing and leather goods	9,573	9,588	9,669	-0.2	-0.8	+0.8	9,818	9,907	9,892	9,403	+4.
WORK IN PROCESS											
All manufacturing industries	152,184	151,045	151,248	+0.8	-0.1	+0.2	154,030	151,705	149,912	146,483	+5.
Durable goods industries	122,856	121,367	121,420	+1.2	0.0	+0.3	124,723	122,063	120,691	117,997	+5.
Stone, clay, and glass products	1,367	1,351	1,316	+1.2	+2.7	+0.9	1,370	1,366	1,334	1,308	+4.
Primary metals	8,618	8,613	8,526	+0.1	+1.0	-1.0	8,661	8,737	8,511	8,848	-2.
Fabricated metal products	9,025	9,063	9,079	-0.4	-0.2	+0.7	9,185	9,182	9,099	8,782	+4.
Industrial machinery and equipment	23,040	22,622	22,736	+1.8	-0.5	-0.6	23,414	22,743	22,621	22,659	+3.
Electronic and other electrical equipment	14,204	14,101	14,544	+0.7	-3.0	-0.9	14,391	14,192	14,602	14,107	+2.
Transportation equipment	51,331	50,301	49,925	+2.0	+0.8	+1.3	52,101	50,191	49,145	46,538	+12.
Instruments and related products	9,973	10,003	9,967	-0.3	+0.4	-0.5	10,230	10,275	10,040	10,458	-2.
Lumber, furniture and miscellaneous durable goods	5,298	5,313	5,327	-0.3	-0.3	+0.2	5,371	5,377	5,339	5,297	+1.
Nondurable goods industries	29,328	29,678	29,828	-1.2	-0.5	+0.1	29,307	29,642	29,221	28,486	+2.
Food and kindred products	5,611	5,726	5,812	-2.0	-1.5	0.0	5,165	5,217	5,278	5,365	-3.
Tobacco products	108	121	119	-10.7	+1.7	-2.5	109	114	105	112	-2.
Textile mill products	2,682	2,677	2,668	+0.2	+0.3	+1.0	2,694	2,690	2,641	2,678	+0.
Paper and allied products	1,602	1,584	1,575	+1.1	+0.6	-3.8	1,616	1,596	1,584	1,586	+1.
Chemicals and allied products	8,689	8,720	8,690	-0.4	+0.3	+0.1	8,778	8,869	8,717	7,462	+17.
Petroleum and coal products	2,452	2,578	2,612	-4.9	-1.3	-1.8	2,477	2,594	2,612	2,854	-13.
Rubber and plastics products	2,225	2,207	2,241	+0.8	-1.5	+3.1	2,225	2,174	2,180	2,250	-1.
Apparel, printing and publishing and leather goods	5,959	6,065	6,111	-1.7	-0.8	+0.7	6,243	6,388	6,104	6,179	+1.
FINISHED GOODS											
All manufacturing industries	160,554	160,473	159,881	+0.1	+0.4	-0.2	161,436	160,889	159,986	158,554	+1.
Durable goods industries	81,064	80,857	80,525	+0.3	+0.4	0.0	81,292	81,107	80,807	80,007	+1.
Stone, clay, and glass products	4,755	4,730	4,793	+0.5	-1.3	-0.7	4,682	4,772	4,889	4,717	-0.
Primary metals	8,238	8,116	8,041	+1.5	+0.9	+1.2	8,190	8,075	8,057	7,757	+5.
Fabricated metal products	11,275	11,096	10,942	+1.6	+1.4	0.0	11,141	11,166	11,254	10,291	+8.
Industrial machinery and equipment	18,145	18,276	18,357	-0.7	-0.4	+1.0	18,082	18,146	17,954	18,421	-1.
Electronic and other electrical equipment	10,503	10,525	10,564	-0.2	-0.4	-2.3	10,763	10,717	10,562	11,246	-4.
Transportation equipment	9,004	8,994	9,001	+0.1	-0.1	+2.2	9,203	9,109	9,071	9,224	-0.
Instruments and related products	7,433	7,433	7,402	0.0	+0.4	+0.1	7,548	7,455	7,443	7,340	+2.
Lumber, furniture and miscellaneous durable goods	11,711	11,687	11,425	+0.2	+2.3	-1.4	11,683	11,667	11,577	11,011	+6.
Nondurable goods industries	79,490	79,616	79,356	-0.2	+0.3	-0.3	80,144	79,782	79,179	78,547	+2.
Food and kindred products	20,033	20,169	20,284	-0.7	-0.6	-1.1	20,527	19,825	19,377	20,082	+2.
Tobacco products	628	658	648	-4.6	+1.5	-2.3	505	499	492	528	-4.
Textile mill products	4,604	4,631	4,597	-0.6	+0.7	-0.4	4,683	4,716	4,676	4,537	+3.
Paper and allied products	6,850	6,846	6,807	+0.1	+0.6	+0.6	6,845	6,837	6,819	6,577	+4.
Chemicals and allied products	22,308	22,277	22,042	+0.1	+1.1	+0.1	22,096	22,110	21,837	20,388	+8.
Petroleum and coal products	4,944	4,964	5,120	-0.4	-3.0	-0.9	4,983	5,080	5,228	6,109	-18.
Rubber and plastics products	7,658	7,653	7,668	+0.1	-0.2	-0.1	7,540	7,623	7,782	7,603	-0.
Apparel, printing and publishing and leather goods	12,465	12,418	12,190	+0.4	+1.9	-0.2	12,965	13,092	12,968	12,723	+1.

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1998[p]	July 1998[r]	June 1998	May 1998	Aug. 1998[p]	July 1998[r]	June 1998	May 1998
manufacturing industries	1.39	1.39	1.39	1.40	2.74	2.72	2.74	2.79
ble goods industries	1.57	1.58	1.58	1.58	3.24	3.23	3.24	3.31
ne, clay, and glass products	1.14	1.12	1.13	1.14	0.84	0.84	0.84	0.82
mary metals	1.65	1.65	1.64	1.61	2.11	2.16	2.19	2.21
ricated metal products	1.55	1.52	1.56	1.54	1.41	1.41	1.46	1.46
ustrial machinery and equipment	1.66	1.61	1.61	1.67	2.11	2.04	2.04	2.14
tronic and other ctrical equipment	1.30	1.29	1.32	1.39	1.88	1.89	1.86	1.95
nsportation equipment	1.72	1.85	1.83	1.68	10.43	11.00	10.80	10.44
uments and related products	1.93	1.90	1.88	1.94	3.49	3.47	3.43	3.54
urable goods industries	1.16	1.16	1.15	1.16	0.64	0.64	0.65	0.66
d and kindred products	0.90	0.92	0.92	0.93	(X)	(X)	(X)	(X)
acco products	1.58	1.64	1.61	1.69	(X)	(X)	(X)	(X)
ile mill products	1.52	1.48	1.54	1.52	(NA)	(NA)	(NA)	(NA)
er and allied products	1.21	1.19	1.19	1.18	(NA)	(NA)	(NA)	(NA)
micals and allied products	1.44	1.43	1.40	1.41	(X)	(X)	(X)	(X)
oleum and coal products	0.92	0.90	0.88	0.89	(X)	(X)	(X)	(X)
ber and plastics products	1.27	1.27	1.28	1.27	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; r vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; tleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1998	Aug.[2] 1993-1997	Aug. 1997-July 1998	Aug.[1] 1998	Aug.[2] 1993-1997	Aug. 1997-July 1998	Aug.[1] 1998	Aug.[2] 1993-1997	Aug. 1997-July 1998	Aug.[1] 1998	Aug.[2] 1993-1997	Aug. 1997-July 1998
A manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
e goods industries	-0.2	0.2	0.2	0.1	0.3	0.2	0.1	0.0	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.4	0.3	(X)	1.1	0.6	(X)	0.7	0.5	(X)	0.1	0.2
ary metals	-0.2	0.3	0.3	0.2	1.3	0.7	0.3	0.5	0.2	(X)	0.1	0.1
cated metal products	(X)	0.2	0.2	(X)	0.3	0.4	(X)	0.2	0.2	(X)	0.3	0.1
strial machinery and equipment	-0.1	0.3	0.3	-0.2	0.2	0.3	0.0	0.1	0.1	(X)	0.2	0.1
ronic and other ctrical equipment	0.3	0.4	0.6	1.0	0.6	0.9	0.5	0.2	0.4	(X)	0.1	0.1
sportation equipment	0.1	0.5	0.6	1.0	1.0	0.7	0.2	0.1	0.1	(X)	0.0	0.3
uments and related products	(X)	0.2	0.4	(X)	0.7	0.9	(X)	0.2	0.2	(X)	0.1	0.1
rable goods industries	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.0	0.0
and kindred products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
cco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
le mill products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
r and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
micals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
oleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.4
ber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
l goods industries :												
defense	0.1	0.2	0.3	1.0	0.3	0.5	0.1	0.0	0.1	(X)	0.1	0.2
nse	0.1	0.4	0.8	-0.5	6.4	2.5	0.0	0.3	0.2	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ble goods industries are shown in the advance report for the month.

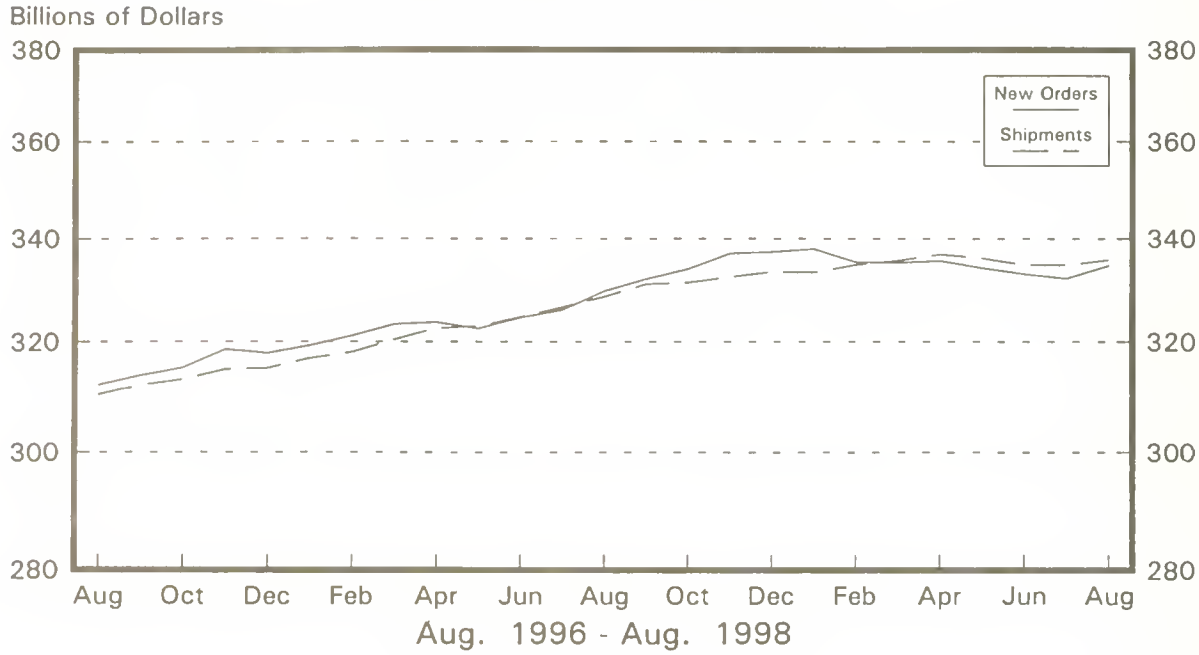
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

ee note at end of table 2 relating to survey error and revision.

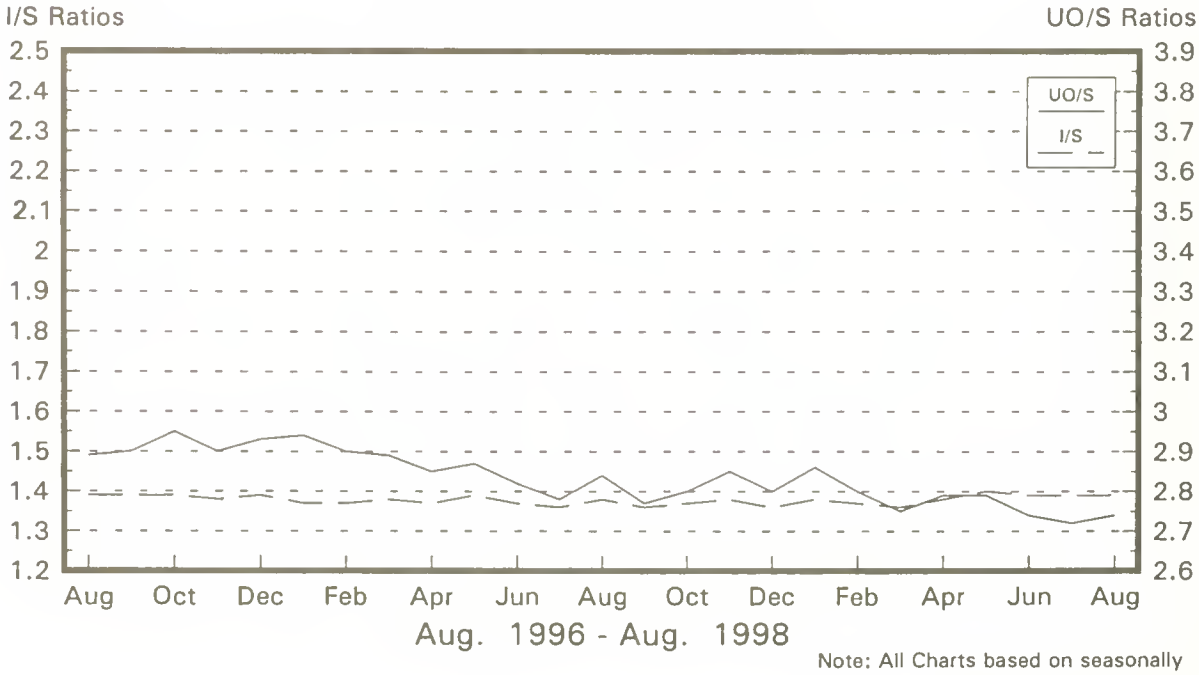
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

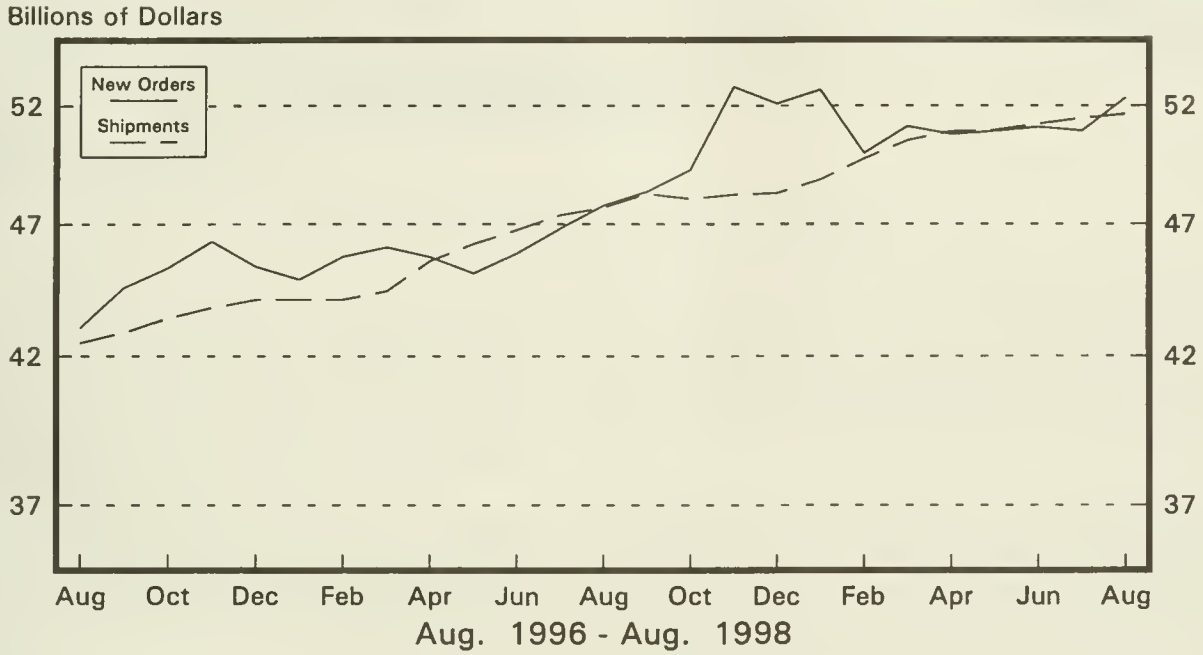
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

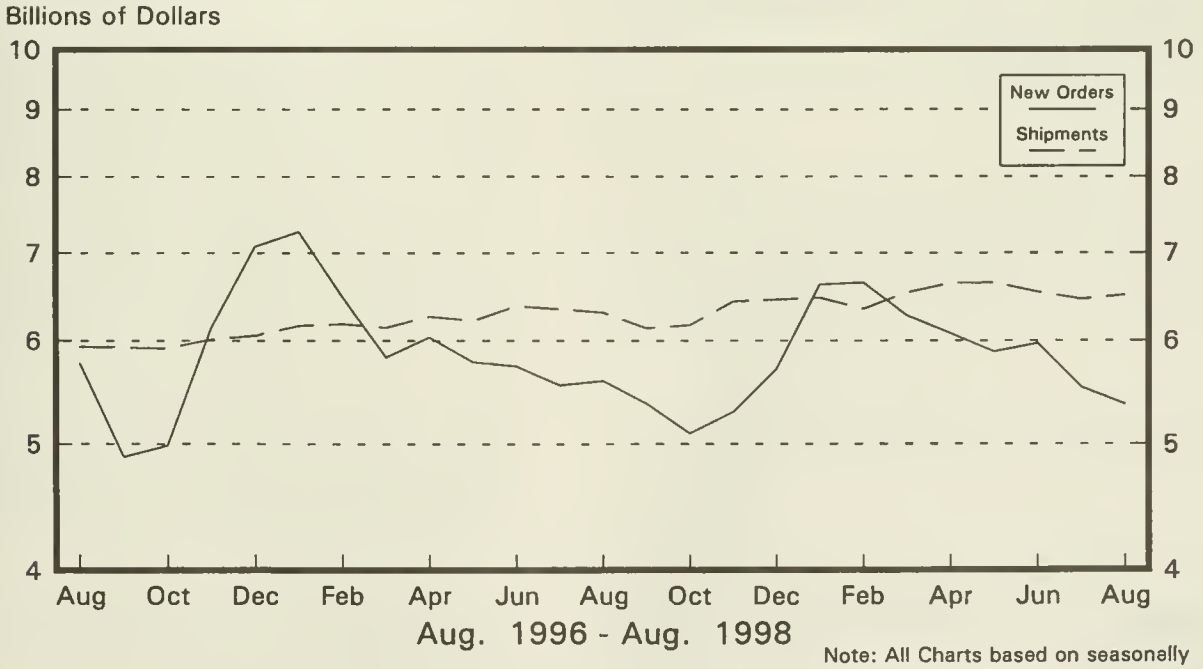
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



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Note: All figures in text are in seasonally adjusted current dollars

mary

New orders for manufactured goods in September increased billion or 0.4 percent to $339.2 billion, the Department of merce, Bureau of the Census reported today. This follows a 0.9 nt August increase and is the sixth increase in the last seven hs. Excluding transportation, new orders increased 1.3 percent, iird increase in the last four months. Year to date, new orders .6 percent above the same period a year ago; third quarter new s are 1.3 percent above the second quarter.

Shipments increased $3.0 billion or 0.9 percent to $339.4 n, following a 0.3 percent August increase. This is the fourth cutive monthly increase. Year to date, shipments are 3.2 nt above the same period a year ago; third quarter shipments are ercent above the second quarter.

Unfilled orders, down four of the last five months, decreased billion to $530.2 billion, following a 0.3 percent August ise. The unfilled orders-to-shipments ratio was 2.71, down from in August.

Inventories increased $0.2 billion to $468.6 billion. This is wentieth increase in the last twenty-one months. The tories-to-shipments ratio was 1.38, down from 1.39 in August.

Orders

New orders for manufactured durable goods in September ised $1.5 billion or 0.8 percent to $191.8 billion, revised from reviously published 0.9 percent increase. This follows a 2.0 nt August increase and is the fourth consecutive monthly ise. Industrial machinery and equipment, up three of the last nonths, had the largest increase, $1.7 billion or 4.6 percent to billion. This follows a 0.5 percent August decrease. onic and other electrical equipment, up three of the last four is, increased $1.7 billion or 5.5 percent to $32.8 billion, mostly communication equipment. This follows a 5.2 percent August ase. Transportation equipment, down for the first month since decreased $2.3 billion or 4.9 percent to $44.5 billion; declines craft and parts and railroad equipment more than offset ises in shipbuilding and tanks and motor vehicles and parts. follows a 17.5 percent August increase.

New orders for nondurable goods, down for the second cutive month, decreased $0.1 billion or 0.1 percent to $147.4 n. This follows a 0.5 percent August decrease. Declines in and allied products, printing and publishing, and textile mill cts more than offset increases in food and kindred products, icals and allied products, and petroleum and coal products.

nents

Shipments of durable goods in September increased $3.3 billion percent to $192.1 billion, revised from the previously published 1.5 percent increase. This follows a 1.0 percent August increase and is the fourth consecutive monthly increase. Transportation equipment, up for the second consecutive month, had the largest increase, $1.8 billion or 4.1 percent to $46.2 billion. This follows a 9.5 percent August increase. Electronic and other electrical equipment, up for the fourth consecutive month, increased $1.0 billion or 3.2 percent to $32.2 billion, following a slight August increase.

Shipments of nondurable goods, down five of the last six months, decreased $0.3 billion or 0.2 percent to $147.3 billion, following a 0.6 percent August decrease. Paper and allied products, down three of the last four months, decreased $0.5 billion or 3.7 percent to $13.2 billion. This follows a 1.2 percent August decline. Food and kindred products, up three of the last four months, increased $0.3 billion or 0.8 percent to $41.4 billion, following a 1.4 percent August increase.

Unfilled Orders

Unfilled orders for durable goods in September decreased $0.3 billion or 0.1 percent to $505.9 billion, revised from the previously published 0.1 percent increase. This follows a 0.3 percent August increase. Transportation equipment, down four of the last five months, had the largest decrease, $1.8 billion or 0.7 percent to $251.1 billion. This follows a 0.9 percent August increase. Primary metals, down seven consecutive months, decreased $0.9 billion or 3.0 percent to $30.7 billion. This follows a 2.0 percent August decrease. Industrial machinery and equipment, up for the second consecutive month, had the largest increase, $2.5 billion or 3.4 percent to $75.9 billion, following a 1.0 percent August increase.

Inventories

Inventories of durable goods in September increased $0.1 billion to $297.0 billion, following a 0.4 percent August increase. This is the ninth consecutive monthly increase and the nineteenth in the last twenty-one months. Fabricated metal products, up eight of the last nine months, had the largest increase, $0.1 billion or 0.3 percent to $31.0 billion. This follows a slight August increase. Transporation equipment declined 0.2 percent to $75.6 billion, following eight consecutive monthly increases.

Inventories of nondurable goods, up eight of the last nine months, increased $0.1 billion or 0.1 percent to $171.6 billion, following a 0.3 percent August decrease. Increases in printing and publishing, tobacco products, and apparel and related products more than offset declines in chemicals and allied products and petroleum and coal products.

By stage of fabrication, September finished goods increased 0.6 percent in durables and 0.1 percent in nondurables. Work in process decreased 0.6 percent in durables and 0.5 percent in nondurables. Materials and supplies increased 0.4 percent in durables and 0.3 percent in nondurables.

Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3

vance report on durable goods for October is scheduled for November 24, 1998 at 10:00 a.m. and the full report on December 4, 1998 at 10:00 a.m. For sale by the Superintendent uments, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to da	
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	Sept. 98/97	1998[p]	
All manufacturing industries	339,412	336,445	335,380	+0.9	+0.3	+0.1	363,202	337,377	302,131	356,369	+1.9	3,017,139	2,92
Manufacturing Industries													
with unfilled orders	195,390	193,667	194,476	+0.9	-0.4	+0.5	212,044	191,882	172,719	205,688	+3.1	1,728,866	1,63
without defense capital goods	332,886	329,757	328,885	+0.9	+0.3	0.0	356,159	330,915	296,440	349,845	+1.8	2,959,258	2,86
Durable goods industries	192,069	188,789	186,907	+1.7	+1.0	+0.2	208,453	186,058	158,992	200,122	+4.2	1,683,327	1,60
With unfilled orders	158,812	156,165	156,164	+1.7	0.0	+0.3	173,358	152,886	135,900	166,143	+4.3	1,392,607	1,31
Stone, clay, and glass products	8,138	8,014	8,104	+1.5	-1.1	+0.9	8,728	8,424	8,249	8,261	+5.7	72,110	6
Primary metals	15,002	15,056	14,968	-0.4	+0.6	-0.5	15,394	14,961	13,580	16,379	-6.0	139,119	14
Blast furnaces, steel mills	5,954	6,104	6,006	-2.5	+1.6	-1.9	6,009	6,058	5,460	6,538	-8.1	56,703	5
Iron and steel foundries	1,512	1,473	1,469	+2.6	+0.3	+1.2	1,590	1,495	1,240	1,501	+5.9	13,696	1
Nonferrous and other primary metals	7,536	7,479	7,493	+0.8	-0.2	+0.3	7,795	7,408	6,880	8,340	-6.5	68,720	7
Fabricated metal products	20,246	20,114	20,309	+0.7	-1.0	+2.8	21,464	20,575	18,129	20,423	+5.1	178,901	16
Industrial machinery and equipment	36,689	36,711	37,810	-0.1	-2.9	-0.3	40,498	34,028	32,255	39,131	+3.5	332,021	30
Engines and turbines	2,210	2,267	2,245	-2.5	+1.0	-2.8	2,464	2,008	1,608	2,325	+6.0	19,649	1
Farm and garden machinery	1,959	1,951	2,109	+0.4	-7.5	-2.6	1,763	1,562	1,669	1,945	-9.4	19,680	
Construction, mining and material handling equipment	4,230	4,308	4,540	-1.8	-5.1	-0.9	4,216	4,120	4,188	3,931	+7.3	38,716	
Metalworking machinery	3,530	3,464	3,455	+1.9	+0.3	+0.7	4,058	3,298	2,932	4,138	-1.9	30,401	
Computer and office equipment	10,831	10,981	11,246	-1.4	-2.4	+0.5	13,737	9,818	8,687	12,320	+11.5	95,348	1
Electronic and other electrical equipment	32,224	31,228	31,216	+3.2	0.0	+1.1	36,589	30,345	27,019	34,583	+5.8	272,508	2
Electrical transmission and distribution equipment and industrial apparatus	3,919	3,719	3,805	+5.4	-2.3	+5.7	4,415	3,633	3,392	4,146	+6.5	33,353	
Household appliances	2,114	2,077	2,196	+1.8	-5.4	+3.1	2,279	2,097	2,041	2,188	+4.2	18,829	
Electric lighting and wiring equipment	2,278	2,245	2,242	+1.5	+0.1	+2.0	2,520	2,219	1,882	2,502	+0.7	19,870	
Household audio and video equipment	974	1,004	1,033	-3.0	-2.8	-0.6	1,188	1,065	898	1,254	-5.3	8,653	
Communications equipment	7,550	7,007	6,784	+7.7	+3.3	-6.8	8,696	6,321	5,664	7,576	+14.8	60,758	
Electronic components	13,157	12,983	12,982	+1.3	0.0	+3.1	14,887	12,855	11,412	14,176	+5.0	112,337	1
Transportation equipment	46,225	44,403	40,556	+4.1	+9.5	-0.7	49,264	44,265	28,518	44,609	+10.4	388,632	3
Motor vehicles and parts	30,898	30,017	27,092	+2.9	+10.8	+1.2	32,774	30,383	16,637	30,386	+7.9	263,117	2
Aircraft, missiles, space vehicles, and parts	11,708	11,069	10,566	+5.8	+4.8	-0.9	12,571	10,505	9,374	10,978	+14.5	97,346	
Shipbuilding and tanks	1,059	1,011	894	+4.7	+13.1	-6.2	1,109	1,003	832	878	+26.3	8,403	
Instruments and related products	14,113	13,749	14,042	+2.6	-2.1	-1.2	15,478	13,346	12,608	15,477	0.0	125,079	1
Search and navigation equipment	3,009	3,116	3,085	-3.4	+1.0	+1.6	3,334	3,038	2,753	3,240	+2.9	27,094	
Measuring and controlling devices	3,941	3,824	4,062	+3.1	-5.9	+0.1	4,288	3,780	3,565	4,757	-9.9	36,331	
Medical instruments and supplies	4,598	4,350	4,474	+5.7	-2.8	-4.3	5,053	4,215	4,076	4,849	+4.2	40,090	
Photographic goods	2,108	2,009	1,969	+4.9	+2.0	-0.3	2,327	1,866	1,763	2,179	+6.8	17,444	
All other durable goods	19,432	19,514	19,902	-0.4	-1.9	+0.3	21,038	20,114	18,634	21,259	-1.0	174,957	1
Nondurable goods industries	147,343	147,656	148,473	-0.2	-0.6	-0.1	154,749	151,319	143,139	156,247	-1.0	1,333,812	1,3
With unfilled orders	36,578	37,502	38,312	-2.5	-2.1	+1.5	38,686	38,996	36,819	39,545	-2.2	336,259	3
Food and kindred products	41,435	41,117	40,562	+0.8	+1.4	-0.2	43,304	41,924	39,068	40,822	+6.1	364,718	3
Meat products	8,796	8,821	8,696	-0.3	+1.4	-0.6	8,945	9,148	8,591	8,708	+2.7	78,405	
Dairy products	6,567	6,282	6,156	+4.5	+2.0	-0.8	6,743	6,330	5,976	5,030	+34.1	54,923	
Beverages	6,357	6,094	6,068	+4.3	+0.4	-1.0	6,559	6,553	6,378	6,145	+6.7	55,683	
All other foods, except fats and oils	17,686	17,870	17,696	-1.0	+1.0	+1.0	19,028	17,843	16,177	18,925	+0.5	157,109	1
Tobacco products	3,489	3,479	3,444	+0.3	+1.0	-3.3	3,472	3,611	3,357	3,335	+4.1	30,658	
Textile mill products	6,571	6,694	6,940	-1.8	-3.5	+4.5	7,244	7,040	6,292	7,828	-7.5	61,545	
Broadwoven fabrics and other textiles	3,889	3,966	4,150	-1.9	-4.4	+2.4	4,258	4,086	3,596	4,706	-9.5	37,234	
Paper and allied products	13,248	13,761	13,929	-3.7	-1.2	+0.4	13,678	14,037	13,580	14,229	-3.9	124,839	1
Pulp, paper, and paperboard mill products	4,918	5,267	5,310	-6.6	-0.8	0.0	5,055	5,383	5,251	5,693	-11.2	48,222	
Paperboard containers and boxes	3,449	3,586	3,724	-3.8	-3.7	+1.1	3,516	3,666	3,593	3,489	+0.8	32,553	
Miscellaneous converted paper products	4,881	4,908	4,895	-0.6	+0.3	+0.3	5,107	4,988	4,736	5,047	+1.2	44,064	
Chemicals and allied products	32,364	32,204	32,468	+0.5	-0.8	-1.6	33,650	31,647	30,935	33,821	-0.5	295,395	2
Industrial chemicals	14,652	14,685	14,956	-0.2	-1.8	-1.3	14,883	14,726	14,475	16,527	-9.9	137,291	1
Drugs, soaps, and toiletries	14,032	13,897	13,788	+1.0	+0.8	-1.3	15,604	13,690	13,008	14,050	+11.1	121,463	1
Petroleum and coal products	11,890	11,759	12,153	+1.1	-3.2	-2.1	12,427	12,364	12,428	15,437	-19.5	111,644	1
Rubber and plastics products	13,281	13,196	13,104	+0.6	+0.7	+0.8	13,860	13,451	12,150	13,713	+1.1	119,650	1
All other nondurable goods	25,065	25,446	25,873	-1.5	-1.7	+1.7	27,114	27,245	25,329	27,062	+0.2	225,363	2

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	Sept. 98/97	1998[p]	1997
manufacturing industries	339,220	337,815	334,821	+0.4	+0.9	+1.1	358,215	335,916	306,253	352,126	+1.7	3,010,424	2,933,766
acturing industries													
unfilled orders	195,198	195,037	193,917	+0.1	+0.6	+2.3	207,057	190,421	176,841	201,445	+2.8	1,722,151	1,649,689
ut defense capital goods	332,223	332,882	329,299	-0.2	+1.1	+1.2	351,031	332,342	302,334	346,744	+1.2	2,959,612	2,886,400
e goods industries	191,813	190,304	186,617	+0.8	+2.0	+2.0	204,082	185,341	162,637	196,429	+3.9	1,677,473	1,610,524
unfilled orders	158,556	157,680	155,874	+0.6	+1.2	+2.5	168,987	152,169	139,545	162,450	+4.0	1,386,753	1,324,480
clay, and glass products	8,112	7,967	8,187	+1.8	-2.7	-0.1	8,664	8,345	8,361	8,188	+5.8	72,352	67,704
y metals	14,053	14,413	14,273	-2.5	+1.0	-1.2	13,687	14,148	12,753	16,962	-19.3	134,349	146,998
t furnaces, steel mills	5,441	5,523	5,382	-1.5	+2.6	-8.0	5,054	5,356	4,805	6,365	-20.6	53,991	59,574
and steel foundries	1,383	1,592	1,370	-13.1	+16.2	+7.2	1,361	1,564	1,089	1,572	-13.4	13,576	13,340
ferrous and other primary													
tals	7,229	7,298	7,521	-0.9	-3.0	+2.7	7,272	7,228	6,859	9,025	-19.4	66,782	74,084
ted metal products	19,902	19,693	20,132	+1.1	-2.2	+2.1	20,924	20,076	18,222	20,571	+1.7	178,800	171,464
ial machinery and equipment	39,184	37,450	37,636	+4.6	-0.5	+1.9	43,068	34,642	32,179	39,174	+9.9	333,671	303,999
nes and turbines	5,405	3,541	2,645	+52.6	+33.9	+33.0	6,139	3,423	2,187	2,677	129.3	23,696	16,664
truction, mining and													
erial handling equipment	3,873	3,876	4,290	-0.1	-9.7	-6.3	3,854	3,503	3,702	4,073	-5.4	38,257	34,788
lworking machinery	3,329	3,479	3,503	-4.3	-0.7	+5.4	3,857	3,313	2,980	3,737	+3.2	30,386	29,674
puter and office equipment	10,897	11,112	11,261	-1.9	-1.3	+0.4	13,607	9,897	8,850	12,095	+12.5	95,750	80,003
nic and other													
ical equipment	32,812	31,116	32,840	+5.5	-5.2	+9.2	34,743	29,587	32,182	32,609	+6.5	277,052	263,179
rical transmission and													
ibution equipment and													
strial apparatus	3,893	3,725	3,764	+4.5	-1.0	+3.0	4,261	3,634	3,377	3,984	+7.0	33,132	31,125
ric lighting and													
ing equipment	2,077	2,224	2,212	-6.6	+0.5	+4.5	2,319	2,198	1,852	2,384	-2.7	19,928	19,533
munications equipment	8,096	6,779	6,463	+19.4	+4.9	-11.6	9,262	6,084	5,332	8,056	+15.0	63,783	57,695
ronic components	13,439	13,245	15,158	+1.5	-12.6	+28.0	12,981	12,314	17,083	12,059	+7.6	114,299	107,826
rtation equipment	44,452	46,745	39,768	-4.9	+17.5	+1.1	47,108	45,717	27,428	43,187	+9.1	383,641	363,587
raft, missiles,													
ace vehicles, and parts.	9,009	13,106	10,172	-31.3	+28.8	+20.0	9,576	11,650	8,432	8,908	+7.5	92,835	81,294
building and tanks	2,093	519	373	303.3	+39.1	-76.6	2,218	456	285	1,027	116.0	8,020	6,336
ents and related products	13,721	13,385	13,970	+2.5	-4.2	-1.6	14,833	12,764	12,623	14,486	+2.4	122,318	121,558
h and navigation equipment	2,709	2,743	2,701	-1.2	+1.6	-15.5	2,980	2,433	2,129	2,790	+6.8	24,577	24,579
uring and controlling devices	3,793	3,850	4,195	-1.5	-8.2	+8.5	4,140	3,806	3,698	4,408	-6.1	35,613	37,158
cal instruments and supplies	4,681	4,344	4,849	+7.8	-10.4	+0.6	4,943	4,237	4,809	4,695	+5.3	41,196	37,892
er durable goods	19,577	19,535	19,811	+0.2	-1.4	-1.3	21,055	20,062	18,889	21,252	-0.9	175,290	172,035
able goods industries	147,407	147,511	148,204	-0.1	-0.5	0.0	154,133	150,575	143,616	155,697	-1.0	1,332,951	1,323,242
unfilled orders	36,642	37,357	38,043	-1.9	-1.8	+1.8	38,070	38,252	37,296	38,995	-2.4	335,398	325,209

liminary. [r] Revised.

pments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar from the prior month to the current month.

: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ncludes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), acturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Per ch S 9
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	
All manufacturing industries	530,167	530,359	528,989	0.0	+0.3	-0.1	524,843	529,830	531,291	519,365	-
Manufacturing industries without defense capital goods	433,080	433,743	430,618	-0.2	+0.7	+0.1	429,696	434,824	433,397	417,200	-
Durable goods industries	505,857	506,113	504,598	-0.1	+0.3	-0.1	500,480	504,851	505,568	493,075	-
Stone, clay, and glass products	6,424	6,450	6,497	-0.4	-0.7	+1.3	6,418	6,482	6,561	6,367	-
Primary metals	30,720	31,669	32,312	-3.0	-2.0	-2.1	29,568	31,275	32,088	33,447	-
Blast furnaces, steel mills	12,303	12,816	13,397	-4.0	-4.3	-4.5	11,646	12,601	13,303	13,167	-
Iron and steel foundries	5,521	5,650	5,531	-2.3	+2.2	-1.8	5,356	5,585	5,516	5,062	-
Nonferrous and other primary metals	12,896	13,203	13,384	-2.3	-1.4	+0.2	12,566	13,089	13,269	15,218	-
Fabricated metal products	26,179	26,523	26,944	-1.3	-1.6	-0.7	26,249	26,789	27,288	26,505	
Industrial machinery and equipment	75,917	73,422	72,683	+3.4	+1.0	-0.2	75,075	72,505	71,891	73,332	
Engines and turbines	16,393	13,198	11,924	+24.2	+10.7	+3.5	16,581	12,906	11,491	12,096	+
Construction, mining and material handling equipment	10,309	10,666	11,098	-3.3	-3.9	-2.2	9,907	10,269	10,886	9,275	
Metalworking machinery	7,134	7,335	7,320	-2.7	+0.2	+0.7	7,134	7,335	7,320	7,717	
Computer and office equipment	8,069	8,003	7,872	+0.8	+1.7	+0.2	8,034	8,164	8,085	8,396	
Electronic and other electrical equipment	59,389	58,801	58,913	+1.0	-0.2	+2.8	57,850	59,696	60,454	54,719	
Electrical transmission and distribution equipment and industrial apparatus	6,416	6,442	6,436	-0.4	+0.1	-0.6	6,297	6,451	6,450	6,707	
Electric lighting and wiring equipment	4,985	5,186	5,207	-3.9	-0.4	-0.6	4,985	5,186	5,207	4,719	
Communications equipment	17,357	16,811	17,039	+3.2	-1.3	-1.8	17,356	16,790	17,027	15,160	+
Electronic components	24,914	24,632	24,370	+1.1	+1.1	+9.8	23,502	25,408	25,949	21,561	
Transportation equipment	251,108	252,881	250,539	-0.7	+0.9	-0.3	249,526	251,682	250,230	241,404	
Aircraft, missiles, space vehicles, and parts	215,155	217,854	215,817	-1.2	+0.9	-0.2	213,609	216,604	215,459	208,558	
Shipbuilding and tanks	17,985	16,951	17,443	+6.1	-2.8	-2.9	18,047	16,938	17,485	17,882	
Instruments and related products	47,905	48,297	48,661	-0.8	-0.7	-0.1	47,368	48,013	48,595	48,845	
Search and navigation equipment	27,119	27,419	27,792	-1.1	-1.3	-1.4	26,726	27,080	27,685	28,741	
Measuring and controlling devices	10,135	10,283	10,257	-1.4	+0.3	+1.3	10,135	10,283	10,257	10,324	
Medical instruments and supplies	9,682	9,599	9,605	+0.9	-0.1	+4.1	9,530	9,640	9,618	7,917	+
All other durable goods	8,215	8,070	8,049	+1.8	+0.3	-1.1	8,426	8,409	8,461	8,456	
Nondurable goods industries	24,310	24,246	24,391	+0.3	-0.6	-1.1	24,363	24,979	25,723	26,290	

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	Sept. 98/97
manufacturing industries	468,642	468,445	467,636	0.0	+0.2	+0.2	467,790	471,596	469,220	451,811	+3.5
facturing industries											
unfilled orders	315,273	314,994	313,620	+0.1	+0.4	+0.2	314,740	318,882	316,461	300,725	+4.7
ut defense capital goods	449,852	449,439	448,801	+0.1	+0.1	+0.1	448,752	452,163	450,000	434,621	+3.3
le goods industries	297,016	296,913	295,669	0.0	+0.4	+0.2	296,212	299,838	297,154	283,984	+4.3
unfilled orders	273,500	273,472	272,043	0.0	+0.5	+0.1	272,896	276,614	274,042	260,598	+4.7
clay, and glass products	9,238	9,164	9,112	+0.8	+0.6	0.0	9,043	9,118	9,176	8,867	+2.0
ry metals	24,929	24,859	24,763	+0.3	+0.4	+0.6	24,905	24,933	24,851	24,333	+2.4
st furnaces, steel mills	12,428	12,437	12,335	-0.1	+0.8	+1.4	12,460	12,485	12,349	11,731	+6.2
and steel foundries	1,569	1,583	1,570	-0.9	+0.8	+0.5	1,540	1,556	1,557	1,541	-0.1
nferrous and other primary etals	10,932	10,839	10,858	+0.9	-0.2	-0.2	10,905	10,892	10,945	11,061	-1.4
ated metal products	31,047	30,944	30,939	+0.3	0.0	+0.6	30,839	30,970	31,152	29,131	+5.9
rial machinery and equipment	61,006	60,958	60,903	+0.1	+0.1	0.0	60,458	61,693	61,030	59,209	+2.1
ines and turbines	3,987	4,135	4,179	-3.6	-1.1	+2.5	4,014	4,320	4,196	4,048	-0.8
n and garden machinery	3,786	3,733	3,688	+1.4	+1.2	+1.6	3,545	3,486	3,431	3,235	+9.6
struction, mining and terial handling equipment	8,781	8,753	8,711	+0.3	+0.5	+0.3	8,685	8,692	8,653	7,828	+10.9
alworking machinery	7,999	7,925	7,761	+0.9	+2.1	+2.4	8,103	8,285	7,980	7,332	+10.5
nputer and office equipment	9,298	9,464	9,625	-1.8	-1.7	-4.2	9,074	9,984	9,891	10,862	-16.5
onic and other rical equipment	40,377	40,526	40,345	-0.4	+0.4	-1.2	40,143	41,197	40,866	39,807	+0.8
trical transmission and ribution equipment and ustrial apparatus	5,275	5,275	5,283	0.0	-0.2	-0.4	5,241	5,309	5,299	5,603	-6.5
sehold appliances	2,391	2,378	2,363	+0.5	+0.6	+1.6	2,285	2,342	2,364	2,336	-2.2
tric lighting and ring equipment	3,507	3,486	3,458	+0.6	+0.8	+1.6	3,463	3,561	3,544	3,313	+4.5
sehold audio and eo equipment	1,055	1,014	980	+4.0	+3.5	+4.3	1,111	1,109	1,060	1,102	+0.8
nmunications equipment	10,290	10,385	10,407	-0.9	-0.2	-0.8	10,263	10,596	10,491	10,534	-2.6
tronic components	14,266	14,398	14,317	-0.9	+0.6	-3.3	14,168	14,547	14,448	13,296	+6.6
ortation equipment	75,636	75,812	75,032	-0.2	+1.0	+0.6	76,016	76,819	75,256	69,911	+8.7
or vehicles and parts	16,710	16,511	16,790	+1.2	-1.7	-1.5	16,894	16,842	17,022	16,863	+0.2
raft, missiles, ace vehicles, and parts	53,291	53,572	52,529	-0.5	+2.0	+1.2	53,503	54,179	52,504	47,923	+11.6
building and tanks	1,876	1,844	1,739	+1.7	+6.0	-2.2	1,871	1,828	1,729	1,600	+16.9
nents and related products	26,575	26,651	26,659	-0.3	0.0	-0.1	26,582	27,121	27,010	25,973	+2.3
ch and navigation equipment	6,717	6,721	6,773	-0.1	-0.8	+0.4	6,716	6,890	6,988	6,499	+3.3
suring and controlling devices	8,022	8,092	8,033	-0.9	+0.7	-1.8	7,982	8,212	8,127	7,960	+0.3
ical instruments and supplies	8,517	8,503	8,526	+0.2	-0.3	+1.1	8,458	8,614	8,554	8,237	+2.7
ographic goods	2,618	2,629	2,622	-0.4	+0.3	0.0	2,734	2,695	2,634	2,637	+3.7
ner durable goods	28,208	27,999	27,916	+0.7	+0.3	+0.8	28,226	27,987	27,813	26,753	+5.5
rable goods industries	171,626	171,532	171,967	+0.1	-0.3	+0.2	171,578	171,758	172,066	167,827	+2.2
unfilled orders	41,773	41,522	41,577	+0.6	-0.1	+0.6	41,844	42,268	42,419	40,127	+4.3
nd kindred products	37,096	37,115	37,424	-0.1	-0.8	0.0	37,975	36,828	36,333	37,314	+1.8
t products	4,036	4,040	4,083	-0.1	-1.1	-0.1	3,987	3,956	4,087	3,885	+2.6
y products	3,761	3,775	3,786	-0.4	-0.3	+1.4	3,745	3,844	3,926	3,384	+10.7
erages	8,140	8,183	8,190	-0.5	-0.1	+0.8	8,292	7,993	7,987	7,992	+3.8
other foods, except fats and oils	19,301	19,289	19,467	+0.1	-0.9	-0.7	20,236	19,368	18,521	20,579	-1.7
co products	5,686	5,563	5,665	+2.2	-1.8	-0.9	5,555	5,234	5,210	5,553	0.0
mill products	10,310	10,245	10,285	+0.6	-0.4	+0.3	10,114	10,317	10,428	9,997	+1.2
dwoven fabrics and ner textiles	6,416	6,370	6,393	+0.7	-0.4	+0.6	6,266	6,389	6,461	6,138	+2.1
and allied products	16,682	16,643	16,584	+0.2	+0.4	+0.5	16,506	16,602	16,513	15,845	+4.2
, paper, and perboard mill products	6,732	6,716	6,711	+0.2	+0.1	+0.2	6,668	6,704	6,648	6,425	+3.8
erboard containers and boxes	4,341	4,343	4,328	0.0	+0.3	+0.4	4,308	4,320	4,327	3,889	+10.8
cellaneous converted per products	5,609	5,584	5,545	+0.4	+0.7	+1.0	5,530	5,578	5,538	5,531	0.0
cals and allied products	46,323	46,535	46,382	-0.5	+0.3	+0.7	45,748	46,489	46,483	42,656	+7.2
strial chemicals	20,245	20,330	20,381	-0.4	-0.3	-0.1	20,137	20,284	20,393	19,879	+1.3
gs, soaps, and toiletries	20,387	20,504	20,441	-0.6	+0.3	+1.2	20,210	20,806	20,783	17,775	+13.7
eum and coal products	10,629	10,759	10,906	-1.2	-1.3	-0.3	10,721	10,828	11,066	12,791	-16.2
r and plastics products	16,662	16,699	16,650	-0.2	+0.3	-0.3	16,308	16,508	16,646	16,018	+1.8
ner nondurable goods	28,238	27,973	28,071	+0.9	-0.3	+0.4	28,651	28,952	29,387	27,653	+3.6

reliminary. [r] Revised.

note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to dat	
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	Sept. 98/97	1998[p]	1
SHIPMENTS													
All manufacturing industries	339,412	336,445	335,380	+0.9	+0.3	+0.1	363,202	337,377	302,131	356,369	+1.9	3,017,139	2,923
Market categories :													
Automotive equipment	15,116	14,777	13,344	+2.3	+10.7	+1.0	16,290	15,005	8,370	15,062	+8.2	128,112	125
Home goods and apparel	18,848	18,928	19,329	-0.4	-2.1	+1.8	21,252	20,034	17,945	21,421	-0.8	169,844	162
Consumer staples	69,801	69,369	69,212	+0.6	+0.2	-0.5	73,746	70,871	67,118	71,651	+2.9	618,337	601
Machinery and equipment	66,122	63,815	63,235	+3.6	+0.9	-2.0	72,807	60,645	52,850	67,385	+8.0	569,445	524
Business supplies	25,314	25,432	25,623	-0.5	-0.7	+0.4	26,416	25,674	24,196	26,691	-1.0	228,093	224
Construction materials and supplies	21,709	21,656	22,063	+0.2	-1.8	+1.0	23,233	22,766	21,640	23,145	+0.4	195,213	190
Defense products	6,828	6,975	6,792	-2.1	+2.7	+2.2	7,358	6,784	6,027	6,912	+6.5	60,968	58
Other materials, supplies and and intermediate products	115,674	115,493	115,782	+0.2	-0.2	+0.9	122,100	115,598	103,985	124,102	-1.6	1,047,127	1,035
Durable goods industries :													
Nondefense capital goods [3]	53,044	51,222	51,316	+3.6	-0.2	-2.1	59,497	47,823	44,305	55,042	+8.1	456,363	414
Excluding aircraft and parts	44,761	43,715	44,124	+2.4	-0.9	-2.0	50,613	40,798	37,828	47,435	+6.7	389,600	355
Defense capital goods [4]	6,526	6,688	6,495	-2.4	+3.0	+3.0	7,043	6,462	5,691	6,524	+8.0	57,881	54
Durables excluding capital goods	132,499	130,879	129,096	+1.2	+1.4	+1.0	141,913	131,773	108,996	138,556	+2.4	1,169,083	1,132
Miscellaneous series :													
Producers' durable equipment	125,489	122,178	120,398	+2.7	+1.5	-0.2	136,905	119,098	97,546	128,916	+6.2	1,087,763	1,02
Household durable goods	9,280	9,247	9,629	+0.4	-4.0	+1.6	10,593	9,288	8,281	10,620	-0.3	82,899	7
Information technology industries	25,160	24,628	24,835	+2.2	-0.8	-1.8	29,875	22,636	20,382	27,703	+7.8	216,928	19
Health care equipment and products	12,216	11,895	11,962	+2.7	-0.6	-2.4	13,513	11,654	11,130	12,480	+8.3	106,088	9
NEW ORDERS													
All manufacturing industries	339,220	337,815	334,821	+0.4	+0.9	+1.1	358,215	335,916	306,253	352,126	+1.7	3,010,424	2,93
Market categories :													
Automotive equipment	15,097	14,733	13,276	+2.5	+11.0	+0.5	16,210	14,994	8,363	14,985	+8.2	127,896	12
Home goods and apparel	19,014	19,141	19,105	-0.7	+0.2	+0.4	21,327	20,143	17,919	21,510	-0.9	169,888	16
Consumer staples	69,833	69,360	69,283	+0.7	+0.1	-0.5	73,545	70,786	67,646	71,446	+2.9	618,742	60
Machinery and equipment	67,587	67,303	62,709	+0.4	+7.3	-1.2	73,663	63,811	52,752	66,901	+10.1	576,225	52
Business supplies	25,337	25,378	25,666	-0.2	-1.1	+0.1	26,173	25,567	24,501	26,359	-0.7	228,618	22
Construction materials and supplies	21,396	21,523	21,986	-0.6	-2.1	+0.9	22,842	22,543	21,569	23,083	-1.0	195,247	19
Defense products	7,443	5,342	5,901	+39.3	-9.5	-3.4	7,645	4,068	4,423	5,687	+34.4	53,769	5
Other materials, supplies and and intermediate products	113,513	115,035	116,895	-1.3	-1.6	+4.1	116,810	114,004	109,080	122,155	-4.4	1,040,039	1,04
Durable goods industries :													
Nondefense capital goods [3]	53,469	55,371	50,763	-3.4	+9.1	-0.6	59,901	51,767	43,832	54,923	+9.1	461,332	41
Excluding aircraft and parts	47,714	44,785	43,708	+6.5	+2.5	-1.6	53,545	41,663	37,492	48,410	+10.6	393,937	35
Defense capital goods [4]	6,997	4,933	5,522	+41.8	-10.7	-2.4	7,184	3,574	3,919	5,382	+33.5	50,812	4
Durables excluding capital goods	131,347	130,000	130,332	+1.0	-0.3	+3.2	136,997	130,000	114,886	136,124	+0.6	1,165,329	1,14
Miscellaneous series :													
Producers' durable equipment	127,701	124,620	119,173	+2.5	+4.6	-0.3	138,284	121,434	97,641	128,171	+7.9	1,093,315	1,03
Household durable goods	9,390	9,388	9,373	0.0	+0.2	-1.4	10,708	9,443	8,249	10,715	-0.1	82,646	7
Information technology industries	25,418	24,340	24,505	+4.4	-0.7	-4.1	29,934	22,290	20,212	27,372	+9.4	218,994	19
Health care equipment and products	12,300	11,888	12,336	+3.5	-3.6	-0.5	13,403	11,675	11,864	12,326	+8.7	107,196	9

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, a handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997	Sept. 98/97
UNFILLED ORDERS											
manufacturing industries	530,167	530,359	528,989	0.0	+0.3	-0.1	524,843	529,830	531,291	519,365	+1.1
et categories :											
tomotive equipment	2,295	2,314	2,358	-0.8	-1.9	-2.8	2,271	2,351	2,361	2,550	-10.9
me goods and apparel	8,385	8,219	8,007	+2.0	+2.6	-2.7	8,600	8,526	8,418	9,092	-5.4
nsumer staples	2,311	2,279	2,288	+1.4	-0.4	+3.2	2,453	2,655	2,739	2,377	+3.2
chinery and equipment	250,396	248,931	245,443	+0.6	+1.4	-0.2	249,522	248,666	245,501	229,547	+8.7
siness supplies	6,891	6,868	6,922	+0.3	-0.8	+0.6	6,957	7,200	7,307	6,826	+1.9
nstruction materials nd supplies	17,683	17,996	18,129	-1.7	-0.7	-0.4	17,660	18,051	18,274	17,596	+0.4
fense products	92,250	91,634	93,267	+0.7	-1.8	-0.9	90,346	90,059	92,775	97,443	-7.3
er materials, supplies and nd intermediate products	149,956	152,118	152,575	-1.4	-0.3	+0.7	147,034	152,322	153,916	153,934	-4.5
le goods industries :											
ndefense capital goods [3]	267,008	266,583	262,434	+0.2	+1.6	-0.2	266,185	265,781	261,837	249,104	+6.9
xcluding aircraft and parts	108,332	105,379	104,309	+2.8	+1.0	-0.4	107,509	104,577	103,712	101,084	+6.4
fense capital goods [4]	97,087	96,616	98,371	+0.5	-1.8	-1.0	95,147	95,006	97,894	102,165	-6.9
ables excluding capital goods	141,762	142,914	143,793	-0.8	-0.6	+0.9	139,148	144,064	145,837	141,806	-1.9
llaneous series :											
ducers' durable equipment	289,477	287,265	284,823	+0.8	+0.9	-0.4	288,666	287,287	284,951	268,399	+7.6
ssehold durable goods	5,343	5,233	5,092	+2.1	+2.8	-4.8	5,530	5,415	5,260	6,227	-11.2
rmation technology industries	40,073	39,815	40,103	+0.6	-0.7	-0.8	40,036	39,977	40,323	38,869	+3.0
lth care equipment d products	9,723	9,639	9,646	+0.9	-0.1	+4.0	9,572	9,682	9,661	7,963	+20.2
TOTAL INVENTORIES											
nanufacturing industries	468,642	468,445	467,636	0.0	+0.2	+0.2	467,790	471,596	469,220	451,811	+3.5
t categories :											
omotive equipment	8,338	8,330	8,535	+0.1	-2.4	0.0	8,393	8,555	8,630	8,444	-0.6
ne goods and apparel	32,087	31,724	31,564	+1.1	+0.5	+0.8	32,056	32,355	32,501	30,571	+4.9
sumer staples	72,491	72,611	73,016	-0.2	-0.6	+0.3	73,093	72,505	72,164	71,324	+2.5
chinery and equipment	120,570	120,861	119,846	-0.2	+0.8	+0.4	119,974	122,311	119,920	114,675	+4.6
iness supplies	28,364	28,140	28,210	+0.8	-0.2	+0.6	28,568	28,490	28,621	27,498	+3.9
struction materials d supplies	28,821	28,752	28,542	+0.2	+0.7	+0.6	28,583	28,760	28,666	27,974	+2.2
ense products	18,518	18,740	18,573	-1.2	+0.9	+2.2	18,706	19,105	18,898	16,966	+10.3
er materials, supplies and d intermediate products	159,453	159,287	159,350	+0.1	0.0	-0.4	158,417	159,515	159,820	154,359	+2.6
le goods industries :											
defense capital goods [3]	112,720	112,969	111,963	-0.2	+0.9	+0.1	112,263	114,503	112,277	108,050	+3.9
cluding aircraft and parts	71,740	71,949	71,834	-0.3	+0.2	-0.2	71,298	73,188	72,464	71,160	+0.2
ense capital goods [4]	18,790	19,006	18,835	-1.1	+0.9	+2.2	19,038	19,433	19,220	17,190	+10.8
ables excluding capital goods	165,506	164,938	164,871	+0.3	0.0	0.0	164,911	165,902	165,657	158,744	+3.9
llaneous series :											
ducers' durable equipment	193,184	193,215	192,212	0.0	+0.5	+0.3	192,416	195,391	193,150	184,532	+4.3
sehold durable goods	16,393	16,164	16,041	+1.4	+0.8	+1.4	16,375	16,459	16,351	15,156	+8.0
rmation technology industries	32,700	33,013	33,119	-0.9	-0.3	-2.0	32,473	33,956	33,680	34,218	-5.1
lth care equipment d products	19,561	19,613	19,601	-0.3	+0.1	+1.1	19,406	19,883	19,812	17,885	+8.5

S: footnotes at end of table 5.

S: note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted			
	Monthly			Percent Change			Monthly			
	Sept. 1998[p]	Aug. 1998[r]	July 1998	Aug.-Sept.	July-Aug.	June-July	Sept. 1998[p]	Aug. 1998[r]	July 1998	Sept. 1997
MATERIALS AND SUPPLIES										
All manufacturing industries	156,174	155,669	156,118	+0.3	-0.3	+0.4	156,317	155,901	156,626	151,057
Durable goods industries	93,381	93,042	93,445	+0.4	-0.4	+0.3	93,955	93,739	93,984	90,361
Stone, clay, and glass products	3,138	3,081	3,031	+1.9	+1.6	+1.0	3,157	3,110	3,038	2,974
Primary metals	8,093	8,016	8,034	+1.0	-0.2	-0.1	8,192	8,074	8,039	7,949
Fabricated metal products	10,846	10,675	10,780	+1.6	-1.0	+0.5	10,872	10,682	10,804	10,223
Industrial machinery and equipment	19,760	19,717	20,005	+0.2	-1.4	+1.0	19,914	20,082	20,141	19,587
Electronic and other electrical equipment	15,604	15,729	15,719	-0.8	+0.1	+0.1	15,643	15,947	15,957	15,421
Transportation equipment	15,607	15,556	15,737	+0.3	-1.2	+0.4	15,625	15,535	15,956	14,877
Instruments and related products	9,236	9,297	9,223	-0.7	+0.8	-0.9	9,250	9,388	9,280	8,700
Lumber, furniture and miscellaneous durable goods	11,097	10,971	10,916	+1.1	+0.5	-0.1	11,302	10,921	10,769	10,630
Nondurable goods industries	62,793	62,627	62,673	+0.3	-0.1	+0.5	62,362	62,162	62,642	60,696
Food and kindred products	11,470	11,464	11,529	+0.1	-0.6	+1.7	11,217	11,103	11,291	10,775
Tobacco products	4,939	4,820	4,886	+2.5	-1.4	-1.3	4,839	4,619	4,597	4,878
Textile mill products	2,986	2,981	2,977	+0.2	+0.1	-0.4	2,914	2,978	3,022	2,990
Paper and allied products	8,191	8,162	8,154	+0.4	+0.1	+0.5	8,167	8,110	8,080	7,684
Chemicals and allied products	15,594	15,526	15,385	+0.4	+0.9	+0.4	15,587	15,527	15,504	14,812
Petroleum and coal products	3,206	3,320	3,364	-3.4	-1.3	+5.0	3,171	3,324	3,392	3,790
Rubber and plastics products	6,853	6,841	6,790	+0.2	+0.8	0.0	6,807	6,758	6,849	6,430
Apparel, printing and publishing and leather goods	9,554	9,513	9,588	+0.4	-0.8	-0.8	9,660	9,743	9,907	9,337
WORK IN PROCESS										
All manufacturing industries	151,290	152,137	151,045	-0.6	+0.7	-0.1	151,817	154,284	151,705	145,039
Durable goods industries	122,151	122,862	121,367	-0.6	+1.2	0.0	122,349	124,932	122,063	115,950
Stone, clay, and glass products	1,338	1,357	1,351	-1.4	+0.4	+2.7	1,304	1,362	1,366	1,279
Primary metals	8,581	8,613	8,613	-0.4	0.0	+1.0	8,581	8,668	8,737	8,737
Fabricated metal products	8,979	9,019	9,063	-0.4	-0.5	-0.2	9,076	9,176	9,182	8,759
Industrial machinery and equipment	22,807	23,112	22,622	-1.3	+2.2	-0.5	22,811	23,586	22,743	22,212
Electronic and other electrical equipment	14,238	14,279	14,101	-0.3	+1.3	-3.0	14,165	14,470	14,192	13,895
Transportation equipment	51,049	51,258	50,301	-0.4	+1.9	+0.8	51,253	52,093	50,191	45,678
Instruments and related products	9,873	9,937	10,003	-0.6	-0.7	+0.4	9,826	10,213	10,275	10,029
Lumber, furniture and miscellaneous durable goods	5,286	5,287	5,313	0.0	-0.5	-0.3	5,333	5,364	5,377	5,361
Nondurable goods industries	29,139	29,275	29,678	-0.5	-1.4	-0.5	29,468	29,352	29,642	29,089
Food and kindred products	5,429	5,551	5,726	-2.2	-3.1	-1.5	5,598	5,176	5,217	5,988
Tobacco products	102	108	121	-5.6	-10.7	+1.7	106	108	114	106
Textile mill products	2,656	2,669	2,677	-0.5	-0.3	+0.3	2,664	2,681	2,690	2,692
Paper and allied products	1,620	1,609	1,584	+0.7	+1.6	+0.6	1,604	1,621	1,596	1,599
Chemicals and allied products	8,608	8,681	8,720	-0.8	-0.4	+0.3	8,572	8,792	8,869	7,523
Petroleum and coal products	2,584	2,471	2,578	+4.6	-4.2	-1.3	2,609	2,491	2,594	2,887
Rubber and plastics products	2,226	2,228	2,207	-0.1	+1.0	-1.5	2,225	2,229	2,174	2,293
Apparel, printing and publishing and leather goods	5,914	5,958	6,065	-0.7	-1.8	-0.8	6,090	6,254	6,388	6,001
FINISHED GOODS										
All manufacturing industries	161,178	160,639	160,473	+0.3	+0.1	+0.4	159,656	161,411	160,889	155,715
Durable goods industries	81,484	81,009	80,857	+0.6	+0.2	+0.4	79,908	81,167	81,107	77,673
Stone, clay, and glass products	4,762	4,726	4,730	+0.8	-0.1	-1.3	4,582	4,646	4,772	4,614
Primary metals	8,255	8,230	8,116	+0.3	+1.4	+0.9	8,132	8,191	8,075	7,647
Fabricated metal products	11,222	11,250	11,096	-0.2	+1.4	+1.4	10,891	11,112	11,166	10,149
Industrial machinery and equipment	18,439	18,129	18,276	+1.7	-0.8	-0.4	17,733	18,025	18,146	17,410
Electronic and other electrical equipment	10,535	10,518	10,525	+0.2	-0.1	-0.4	10,335	10,780	10,717	10,491
Transportation equipment	8,980	8,998	8,994	-0.2	0.0	-0.1	9,138	9,191	9,109	9,356
Instruments and related products	7,466	7,417	7,433	+0.7	-0.2	+0.4	7,506	7,520	7,455	7,244
Lumber, furniture and miscellaneous durable goods	11,825	11,741	11,687	+0.7	+0.5	+2.3	11,591	11,702	11,667	10,762
Nondurable goods industries	79,694	79,630	79,616	+0.1	0.0	+0.3	79,748	80,244	79,782	78,042
Food and kindred products	20,197	20,100	20,169	+0.5	-0.3	-0.6	21,160	20,549	19,825	20,551
Tobacco products	645	635	658	+1.6	-3.5	+1.5	610	507	499	569
Textile mill products	4,668	4,595	4,631	+1.6	-0.8	+0.7	4,536	4,658	4,716	4,315
Paper and allied products	6,871	6,872	6,846	0.0	+0.4	+0.6	6,735	6,871	6,837	6,562
Chemicals and allied products	22,121	22,328	22,277	-0.9	+0.2	+1.1	21,589	22,170	22,110	20,321
Petroleum and coal products	4,839	4,968	4,964	-2.6	+0.1	-3.0	4,941	5,013	5,080	6,114
Rubber and plastics products	7,583	7,630	7,653	-0.6	-0.3	-0.2	7,276	7,521	7,623	7,295
Apparel, printing and publishing and leather goods	12,770	12,502	12,418	+2.1	+0.7	+1.9	12,901	12,955	13,092	12,315

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1998[p]	Aug. 1998[r]	July 1998	June 1998	Sept. 1998[p]	Aug. 1998[r]	July 1998	June 1998
manufacturing industries	1.38	1.39	1.39	1.39	2.71	2.74	2.72	2.74
le goods industries	1.55	1.57	1.58	1.58	3.19	3.24	3.23	3.24
e, clay, and glass products	1.14	1.14	1.12	1.13	0.83	0.84	0.84	0.84
ary metals	1.66	1.65	1.65	1.64	2.05	2.10	2.16	2.19
icated metal products	1.53	1.54	1.52	1.56	1.38	1.40	1.41	1.46
strial machinery and equipment	1.66	1.66	1.61	1.61	2.19	2.11	2.04	2.04
tronic and other ctrical equipment	1.25	1.30	1.29	1.32	1.84	1.88	1.89	1.86
sportation equipment	1.64	1.71	1.85	1.83	9.77	10.35	11.00	10.80
uments and related products	1.88	1.94	1.90	1.88	3.39	3.51	3.47	3.43
rable goods industries	1.16	1.16	1.16	1.15	0.66	0.65	0.64	0.65
l and kindred products	0.90	0.90	0.92	0.92	(X)	(X)	(X)	(X)
cco products	1.63	1.60	1.64	1.61	(X)	(X)	(X)	(X)
ile mill products	1.57	1.53	1.48	1.54	(NA)	(NA)	(NA)	(NA)
r and allied products	1.26	1.21	1.19	1.19	(NA)	(NA)	(NA)	(NA)
nicals and allied products	1.43	1.45	1.43	1.40	(X)	(X)	(X)	(X)
leum and coal products	0.89	0.91	0.90	0.88	(X)	(X)	(X)	(X)
er and plastics products	1.25	1.27	1.27	1.28	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; eum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1998	Sept.[2] 1993-1997	Sept. 1997-Aug. 1998	Sept.[1] 1998	Sept.[2] 1993-1997	Sept. 1997-Aug. 1998	Sept.[1] 1998	Sept.[2] 1993-1997	Sept. 1997-Aug. 1998	Sept.[1] 1998	Sept.[2] 1993-1997	Sept. 1997-Aug. 1998
nanufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.1	0.1
e goods industries	0.2	0.1	0.2	-0.1	0.2	0.3	-0.2	0.0	0.1	(X)	0.1	0.1
, clay, and glass products	(X)	0.5	0.3	(X)	0.6	0.6	(X)	0.3	0.5	(X)	0.1	0.2
ary metals	-0.4	0.2	0.4	-0.2	1.0	0.7	0.0	0.5	0.2	(X)	0.1	0.1
cated metal products	(X)	0.3	0.2	(X)	0.5	0.4	(X)	0.2	0.2	(X)	0.2	0.1
trial machinery and equipment	0.7	0.5	0.3	0.2	0.6	0.3	-0.3	0.1	0.1	(X)	0.1	0.1
ronic and other trical equipment	0.2	0.4	0.6	0.1	0.7	0.9	-0.1	0.2	0.5	(X)	0.2	0.1
portation equipment	0.1	0.6	0.6	-0.5	0.8	0.7	-0.1	0.1	0.0	(X)	0.2	0.3
ments and related products	(X)	0.4	0.4	(X)	1.2	0.9	(X)	0.3	0.2	(X)	0.4	0.1
rable goods industries	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.5	0.1	(X)	0.1	0.0
and kindred products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
cco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
le mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
icals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
leum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
er and plastics products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
goods industries :												
lefense	0.8	0.5	0.3	0.2	0.7	0.5	-0.1	0.0	0.1	(X)	0.0	0.2
nse	1.0	0.8	0.8	-3.1	2.5	2.0	-0.2	0.1	0.1	(X)	0.4	0.2

) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The ly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the le goods industries are shown in the advance report for the month.

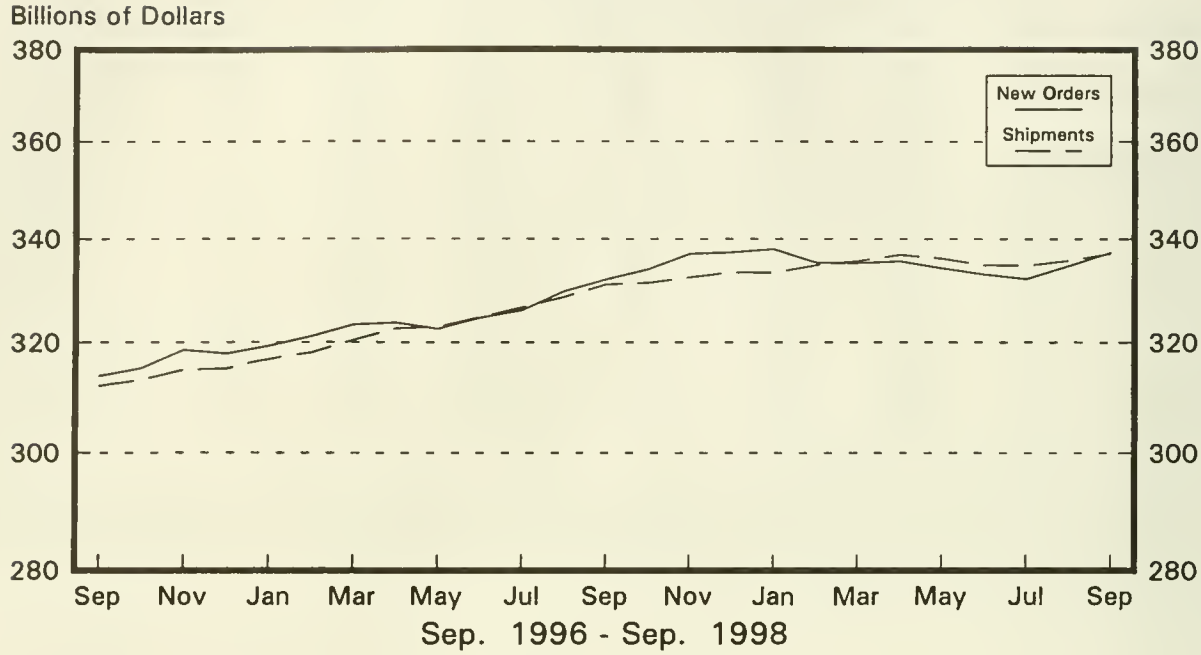
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision.

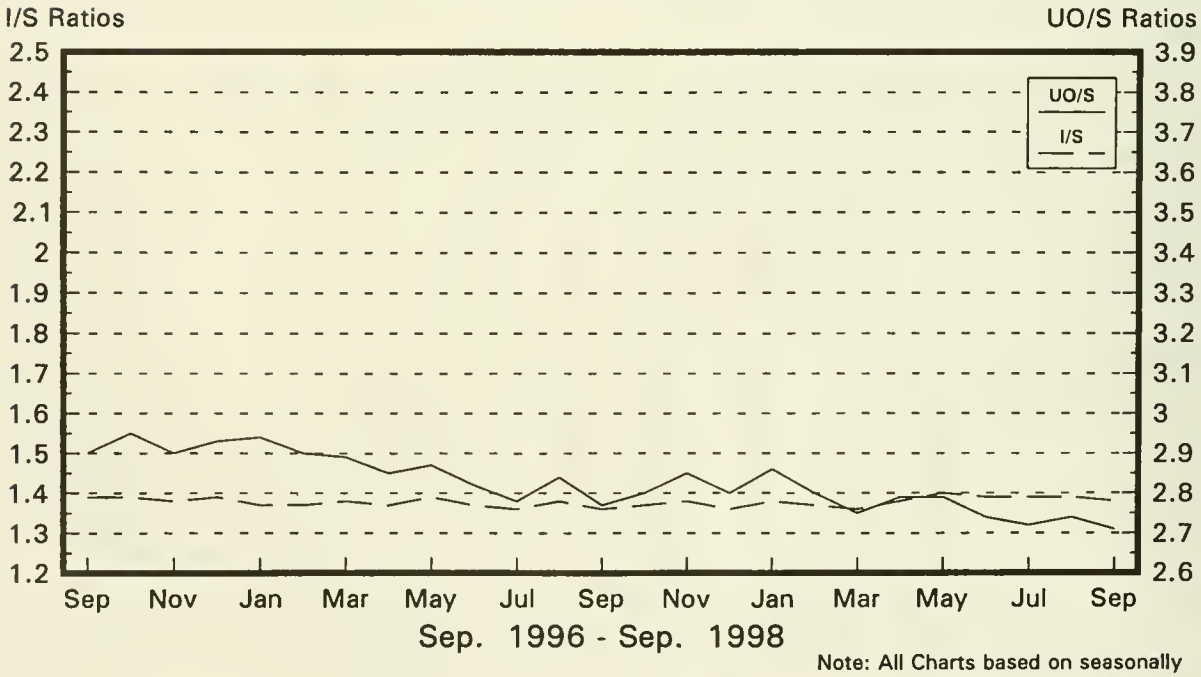
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

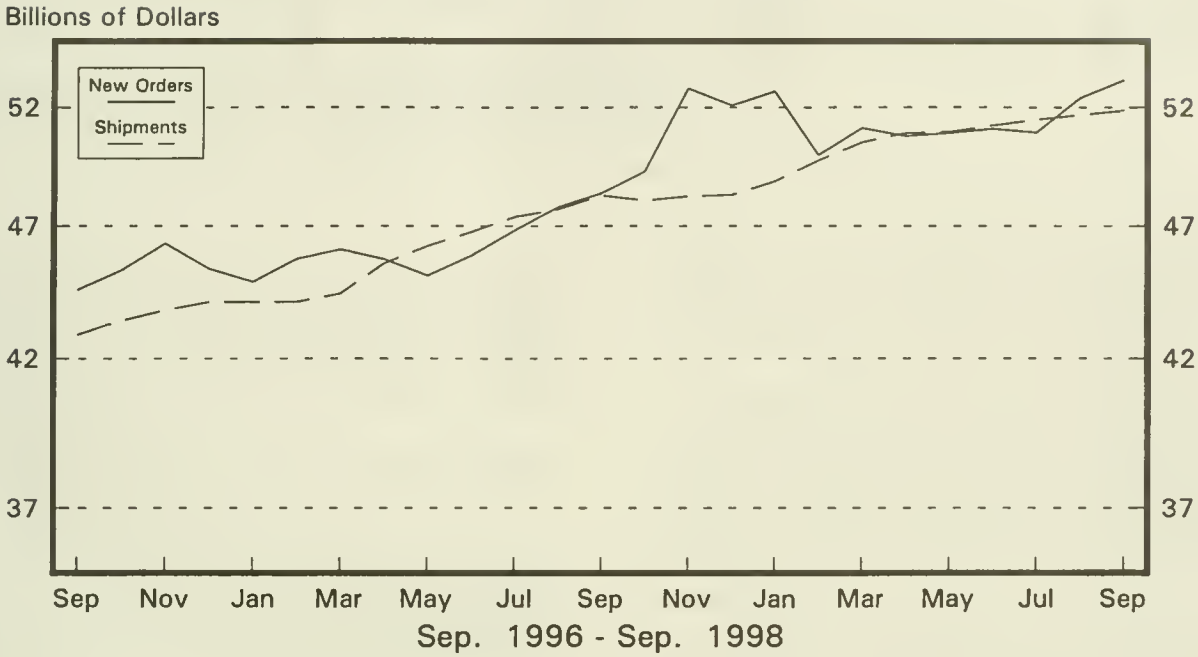
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

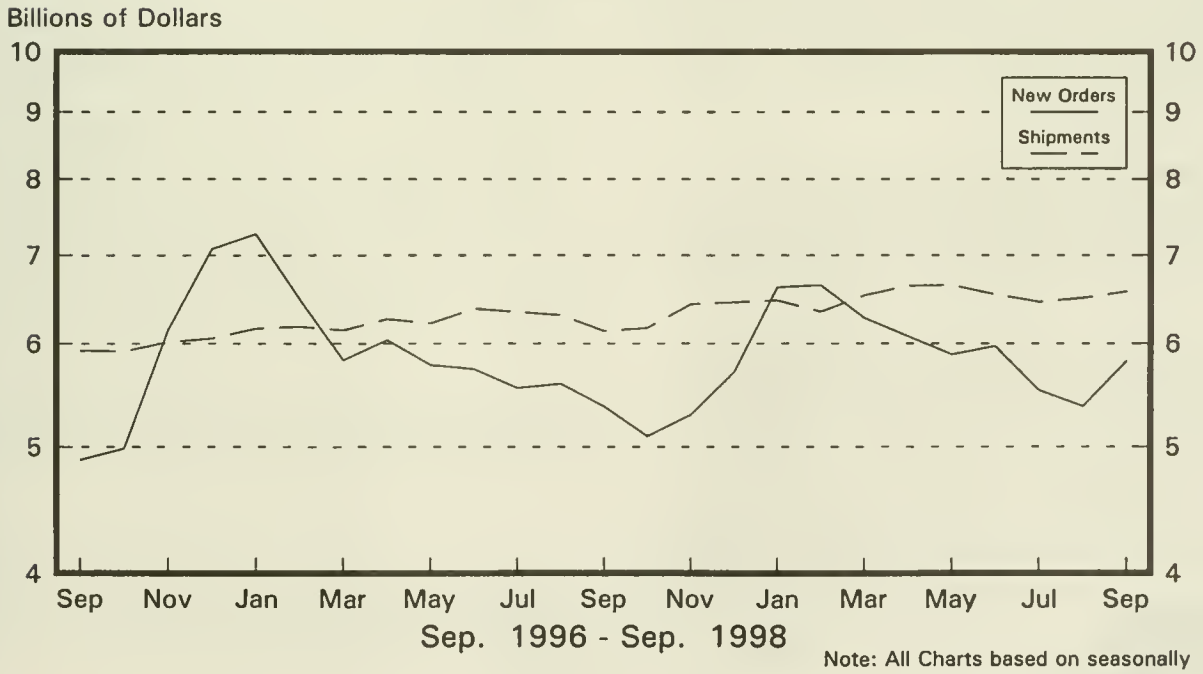
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October decreased $5.3 billion or 1.6 percent to $335.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.8 percent September increase and is the first decline since May. Excluding transportation, new orders decreased 1.5 percent, the second decrease in the last three months. Year to date, new orders are 2.4 percent above the same period a year ago.

Shipments decreased $0.4 billion or 0.1 percent to $340.1 billion, following a 1.2 percent September increase. This is the first decline since May. Year to date, shipments are 3.2 percent above the same period a year ago.

Unfilled orders, down five of the last six months, decreased $5.0 billion or 0.9 percent to $525.3 billion, following a slight September decrease. This is the largest decline since the October 1993 0.9 percent decrease. The unfilled orders-to-shipments ratio was 2.67, down from 2.70 in September. The ratio has declined four of the last five months.

Inventories increased $2.9 billion or 0.6 percent to $471.5 billion. This is the twenty-first increase in the last twenty-two months. The inventories-to-shipments ratio was 1.39, up from 1.38 in September.

New Orders

New orders for manufactured durable goods in October decreased $4.2 billion or 2.2 percent to $188.6 billion, revised from the previously published 1.7 percent decrease. This follows a 1.3 percent September increase and is the first decline since May.

Industrial machinery and equipment, down two of the last three months, had the largest decrease, $3.3 billion or 8.5 percent to $35.7 billion. This follows a 4.1 percent September increase. Transportation equipment, down for the second consecutive month, decreased $0.8 billion or 1.8 percent to $44.3 billion, mostly due to railroad equipment and shipbuilding and tanks. This follows a 3.5 percent September decrease. Electronic and other electrical equipment, up four of the last five months, increased $0.7 billion or 2.2 percent to $33.6 billion, mostly due to electronic components. This follows a 5.6 percent September increase.

New orders for nondurable goods, down two of the last three months, decreased $1.2 billion or 0.8 percent to $146.4 billion. This follows a 0.1 percent September increase. Declines in chemicals and allied products and paper and allied products more than offset increases in textile mill products and food and kindred products.

Shipments

Shipments of durable goods in October increased $0.6 billion or 0.3 percent to $193.4 billion, revised from the previously published 0.6 percent increase. This follows a 2.1 percent September increase and is the fifth consecutive monthly increase. Transportation equipment, up for the third consecutive month, had the largest increase, $1.2 billion or 2.7 percent to $47.8 billion. This follows a 4.9 percent September increase. Primary metals, down seven of the last eight months, decreased $0.3 billion or 2.2 percent to $14.6 billion, following a 0.7 percent September decrease.

Shipments of nondurable goods, down six of the last seven months, decreased $1.0 billion or 0.7 percent to $146.7 billion, following a slight September decrease. Chemicals and allied products, down three of the last four months, decreased $0.7 billion or 2.2 percent to $31.9 billion. This follows a 1.3 percent September increase. Food and kindred products, up for the third consecutive month, increased $0.3 billion or 0.6 percent to $41.5 billion, following a 0.4 percent September increase.

Unfilled Orders

Unfilled orders for durable goods in October decreased $4.8 billion or 0.9 percent to $501.3 billion, unrevised from the previously published 0.9 percent decrease. This follows a slight September decrease and is the fifth decline in the last six months. Transportation equipment, down five of the last six months, had the largest decrease, $3.5 billion or 1.4 percent to $247.9 billion. This follows a 0.6 percent September decrease. Primary metals, down eight consecutive months, decreased $1.4 billion or 4.5 percent to $29.3 billion. This follows a 3.3 percent September decrease. Industrial machinery and equipment, down for the first month since July, decreased $1.3 billion or 1.8 percent to $74.3 billion, following a 3.0 percent September increase. Electronic and other electrical equipment, up three of the last four months, increased $1.4 billion or 2.4 percent to $60.7 billion. This follows a 0.8 percent September increase.

Inventories

Inventories of durable goods in October increased $2.1 billion or 0.7 percent to $298.9 billion, following a 0.1 percent September decrease. This is the ninth increase in the last ten months. Transportation equipment, up nine of the last ten months, increased $1.6 billion or 2.1 percent to $77.3 billion, following a 0.1 percent September decline.

Inventories of nondurable goods, up nine of the last ten months, increased $0.8 billion or 0.5 percent to $172.6 billion, following a 0.2 percent September increase. Food and kindred products, up for the first month since May, increased $0.4 billion or 1.1 percent to $37.5 billion. Tobacco products, up for the second consecutive month, increased $0.2 billion or 4.2 percent to $6.0 billion.

By stage of fabrication, October finished goods increased 0.4 percent in durables and 0.8 percent in nondurables. Work in process increased 1.3 percent in durables and 0.9 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.1 percent in nondurables.

Our internet address is: http://www.census.gov/ftp/pub/indicator/www/m3

The advance report on durable goods for November is scheduled for December 23, 1998 at 10:00 a.m. and the full report on January 7, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97	1998[p]	1997
All manufacturing industries	340,092	340,481	336,445	-0.1	+1.2	+0.3	350,406	364,324	337,377	342,277	+2.4	3,368,667	3,265,63
Manufacturing Industries													
with unfilled orders	196,904	196,406	193,667	+0.3	+1.4	-0.4	200,296	213,090	191,882	191,691	+4.5	1,930,208	1,830,96
without defense capital goods	333,063	333,875	329,757	-0.2	+1.2	+0.3	343,421	357,231	330,915	336,069	+2.2	3,303,751	3,204,51
Durable goods industries	193,421	192,842	188,789	+0.3	+2.1	+1.0	198,850	209,036	186,058	187,885	+5.8	1,882,760	1,789,65
With unfilled orders	160,231	159,516	156,165	+0.4	+2.1	0.0	162,267	173,973	152,886	152,474	+6.4	1,555,489	1,468,20
Stone, clay, and glass products	8,115	8,077	8,014	+0.5	+0.8	-1.1	8,767	8,608	8,424	8,305	+5.6	80,757	76,14
Primary metals	14,616	14,951	15,056	-2.2	-0.7	+0.6	14,937	15,402	14,961	16,264	-8.2	154,064	159,08
Blast furnaces, steel mills	5,750	5,909	6,104	-2.7	-3.2	+1.6	5,855	6,003	6,058	6,590	-11.2	62,552	64,89
Iron and steel foundries	1,490	1,507	1,473	-1.1	+2.3	+0.3	1,603	1,590	1,495	1,591	+0.8	15,299	14,17
Nonferrous and other primary metals	7,376	7,535	7,479	-2.1	+0.7	-0.2	7,479	7,809	7,408	8,083	-7.5	76,213	80,01
Fabricated metal products	20,177	20,235	20,114	-0.3	+0.6	-1.0	21,370	21,460	20,575	20,419	+4.7	200,267	189,28
Industrial machinery and equipment	37,009	36,775	36,711	+0.6	+0.2	-2.9	35,442	40,690	34,028	33,894	+4.6	367,655	337,63
Engines and turbines	2,399	2,208	2,267	+8.7	-2.6	+1.0	2,249	2,468	2,008	1,987	+13.2	21,902	19,52
Farm and garden machinery	1,729	1,890	1,951	-8.5	-3.1	-7.5	1,587	1,744	1,562	1,843	-13.9	21,248	20,10
Construction, mining and material handling equipment	4,108	4,256	4,308	-3.5	-1.2	-5.1	4,051	4,280	4,120	3,944	+2.7	42,831	38,07
Metalworking machinery	3,562	3,515	3,464	+1.3	+1.5	+0.3	3,860	3,981	3,298	3,670	+5.2	34,184	33,84
Computer and office equipment	11,294	10,869	10,981	+3.9	-1.0	-2.4	9,721	13,791	9,818	8,189	+18.7	105,123	89,7
Electronic and other electrical equipment	32,154	32,422	31,228	-0.8	+3.8	0.0	32,413	36,667	30,345	30,031	+7.9	304,999	286,7
Electrical transmission and distribution equipment and industrial apparatus	3,610	3,922	3,719	-8.0	+5.5	-2.3	3,510	4,417	3,633	3,471	+1.1	36,865	34,5
Household appliances	2,048	2,101	2,077	-2.5	+1.2	-5.4	2,067	2,279	2,097	2,088	-1.0	20,896	19,4
Electric lighting and wiring equipment	2,261	2,282	2,245	-0.9	+1.6	+0.1	2,231	2,540	2,219	2,197	+1.5	22,121	21,5
Household audio and video equipment	993	974	1,004	+2.0	-3.0	-2.8	1,311	1,188	1,065	1,322	-0.8	9,964	9,6
Communications equipment	7,343	7,631	7,007	-3.8	+8.9	+3.3	7,009	8,803	6,321	6,380	+9.9	67,874	61,3
Electronic components	13,614	13,280	12,983	+2.5	+2.3	0.0	13,653	14,870	12,855	11,985	+13.9	125,973	117,8
Transportation equipment	47,834	46,588	44,403	+2.7	+4.9	+9.5	51,583	49,441	44,265	44,797	+15.1	440,392	416,1
Motor vehicles and parts	31,566	31,061	30,017	+1.6	+3.5	+10.8	35,585	32,753	30,383	32,999	+7.8	298,681	290,6
Aircraft, missiles, space vehicles, and parts	12,652	11,921	11,069	+6.1	+7.7	+4.8	12,252	12,771	10,505	8,975	+36.5	109,798	97,0
Shipbuilding and tanks	1,439	1,073	1,011	+34.1	+6.1	+13.1	1,473	1,108	1,003	836	+76.2	9,875	8,7
Instruments and related products	13,980	14,298	13,749	-2.2	+4.0	-2.1	13,664	15,714	13,346	13,858	-1.4	138,979	134,2
Search and navigation equipment	3,177	3,042	3,116	+4.4	-2.4	+1.0	3,087	3,378	3,038	2,955	+4.5	30,225	27,5
Measuring and controlling devices	3,906	4,014	3,824	-2.7	+5.0	-5.9	3,813	4,396	3,780	4,207	-9.4	40,252	41,4
Medical instruments and supplies	4,485	4,668	4,350	-3.9	+7.3	-2.8	4,290	5,135	4,215	4,234	+1.3	44,462	41,7
Photographic goods	1,959	2,118	2,009	-7.5	+5.4	+2.0	2,032	2,328	1,866	2,034	-0.1	19,477	19,2
All other durable goods	19,536	19,496	19,514	+0.2	-0.1	-1.9	20,674	21,054	20,114	20,317	+1.8	195,647	190,3
Nondurable goods industries	146,671	147,639	147,656	-0.7	0.0	-0.6	151,556	155,288	151,319	154,392	-1.8	1,485,907	1,475,9
With unfilled orders	36,673	36,890	37,502	-0.6	-1.6	-2.1	38,029	39,117	38,996	39,217	-3.0	374,719	362,7
Food and kindred products	41,539	41,272	41,117	+0.6	+0.4	+1.4	43,130	43,044	41,924	40,655	+6.1	407,588	390,2
Meat products	8,719	8,786	8,821	-0.8	-0.4	+1.4	8,825	8,946	9,148	8,700	+1.4	87,231	85,7
Dairy products	6,443	6,578	6,282	-2.1	+4.7	+2.0	6,345	6,752	6,330	4,942	+28.4	61,277	48,9
Beverages	6,193	6,206	6,094	-0.2	+1.8	+0.4	6,143	6,381	6,553	6,113	+0.5	61,648	59,2
All other foods, except fats and oils	18,117	17,691	17,870	+2.4	-1.0	+1.0	19,750	18,954	17,843	18,813	+5.0	176,785	176,3
Tobacco products	3,539	3,523	3,479	+0.5	+1.3	+1.0	3,659	3,522	3,611	3,430	+6.7	34,367	31,9
Textile mill products	6,593	6,491	6,694	+1.6	-3.0	-3.5	6,871	7,129	7,040	7,312	-6.0	68,301	70,3
Broadwoven fabrics and other textiles	3,938	3,927	3,966	+0.3	-1.0	-4.4	3,986	4,311	4,086	4,413	-9.7	41,273	42,8
Paper and allied products	13,367	13,518	13,761	-1.1	-1.8	-1.2	13,662	13,981	14,037	14,311	-4.5	138,804	134,3
Pulp, paper, and paperboard mill products	5,122	5,115	5,267	+0.1	-2.9	-0.8	5,232	5,256	5,383	5,734	-8.8	53,655	53,6
Paperboard containers and boxes	3,424	3,461	3,586	-1.1	-3.5	-3.7	3,534	3,527	3,666	3,616	-2.3	36,098	33,6
Miscellaneous converted paper products	4,821	4,942	4,908	-2.4	+0.7	+0.3	4,896	5,198	4,988	4,961	-1.3	49,051	47,1
Chemicals and allied products	31,904	32,616	32,204	-2.2	+1.3	-0.8	31,426	34,084	31,647	32,330	-2.8	327,255	325,7
Industrial chemicals	14,617	14,675	14,685	-0.4	-0.1	-1.8	14,374	14,920	14,726	15,831	-9.2	151,702	162,3
Drugs, soaps, and toiletries	13,487	14,212	13,897	-5.1	+2.3	+0.8	13,787	15,956	13,690	13,193	+4.5	135,602	123,5
Petroleum and coal products	11,757	11,885	11,759	-1.1	+1.1	-3.2	12,438	12,436	12,364	15,454	-19.5	124,091	149,2
Rubber and plastics products	13,195	13,282	13,196	-0.7	+0.7	+0.7	13,693	13,875	13,451	13,814	-0.9	133,358	131,9
All other nondurable goods	24,777	25,052	25,446	-1.1	-1.5	-1.7	26,677	27,217	27,245	27,086	-1.5	252,143	242,1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97	1998[p]	1997
ll manufacturing industries	335,077	340,388	337,815	-1.6	+0.8	+0.9	347,987	359,884	335,916	347,068	+0.3	3,360,080	3,280,834
nufacturing industries													
ith unfilled orders	191,889	196,313	195,037	-2.3	+0.7	+0.6	197,877	208,650	190,421	196,482	+0.7	1,921,621	1,846,171
ithout defense capital goods	328,723	333,346	332,882	-1.4	+0.1	+1.1	342,291	352,355	332,342	342,649	-0.1	3,303,227	3,229,049
able goods industries	188,628	192,783	190,304	-2.2	+1.3	+2.0	197,487	205,297	185,341	193,365	+2.1	1,876,175	1,803,889
ith unfilled orders	155,438	159,457	157,680	-2.5	+1.1	+1.2	160,904	170,234	152,169	157,954	+1.9	1,548,904	1,482,434
ne, clay, and glass products	8,077	8,028	7,967	+0.6	+0.8	-2.7	8,608	8,541	8,345	8,240	+4.5	80,837	75,944
nary metals	13,239	13,917	14,413	-4.9	-3.4	+1.0	12,993	13,789	14,148	15,919	-18.4	147,444	162,917
last furnaces, steel mills	4,929	5,347	5,523	-7.8	-3.2	+2.6	4,800	5,088	5,356	6,694	-28.3	58,825	66,268
on and steel foundries	1,415	1,384	1,592	+2.2	-13.1	+16.2	1,478	1,378	1,564	1,555	-5.0	15,071	14,895
onferrous and other primary metals	6,895	7,186	7,298	-4.0	-1.5	-3.0	6,715	7,323	7,228	7,670	-12.5	73,548	81,754
ricated metal products	20,209	19,930	19,693	+1.4	+1.2	-2.2	21,163	20,918	20,076	20,380	+3.8	199,957	191,844
ustrial machinery and equipment	35,665	38,983	37,450	-8.5	+4.1	-0.5	34,889	43,032	34,642	34,829	+0.2	368,524	338,828
ngines and turbines	2,759	5,395	3,541	-48.9	+52.4	+33.9	2,954	6,143	3,423	2,413	+22.4	26,654	19,077
onstruction, mining and material handling equipment	3,806	3,906	3,876	-2.6	+0.8	-9.7	3,921	3,905	3,503	4,445	-11.8	42,229	39,233
etalworking machinery	3,303	3,315	3,479	-0.4	-4.7	-0.7	3,601	3,781	3,313	3,627	-0.7	33,911	33,301
omputer and office equipment	11,069	10,867	11,112	+1.9	-2.2	-1.3	9,621	13,623	9,897	8,103	+18.7	105,387	88,106
tronic and other ctrical equipment	33,596	32,870	31,116	+2.2	+5.6	-5.2	37,869	34,517	29,587	33,018	+14.7	314,695	296,197
ectrical transmission and istribution equipment and industrial apparatus	3,748	3,876	3,725	-3.3	+4.1	-1.0	3,724	4,221	3,634	3,148	+18.3	36,816	34,273
ectric lighting and wiring equipment	2,331	2,082	2,224	+12.0	-6.4	+0.5	2,301	2,340	2,198	2,393	-3.8	22,250	21,926
ommunications equipment	7,713	7,940	6,779	-2.9	+17.1	+4.9	7,421	9,120	6,084	6,177	+20.1	71,062	63,872
ectronic components	14,342	13,655	13,245	+5.0	+3.1	-12.6	18,159	12,937	12,314	15,148	+19.9	132,414	122,974
sportation equipment	44,293	45,101	46,745	-1.8	-3.5	+17.5	47,403	47,885	45,717	46,652	+1.6	431,821	410,239
ircraft, missiles, space vehicles, and parts	9,051	9,109	13,106	-0.6	-30.5	+28.8	8,185	9,924	11,650	9,740	-16.0	101,368	91,034
hipbuilding and tanks	1,892	2,107	519	-10.2	306.0	+39.1	1,917	2,217	456	404	374.5	9,936	6,740
uments and related products	13,952	14,403	13,385	-3.1	+7.6	-4.2	13,718	15,653	12,764	13,749	-0.2	136,856	135,307
arch and navigation equipment	2,935	3,044	2,743	-3.6	+11.0	+1.6	2,655	3,407	2,433	2,488	+6.7	27,659	27,067
easuring and controlling devices	3,978	3,942	3,850	+0.9	+2.4	-8.2	3,885	4,324	3,806	4,518	-14.0	39,682	41,676
edical instruments and supplies	4,581	4,867	4,344	-5.9	+12.0	-10.4	4,678	5,150	4,237	4,595	+1.8	46,081	42,487
other durable goods	19,597	19,551	19,535	+0.2	+0.1	-1.4	20,844	20,962	20,062	20,578	+1.3	196,041	192,613
lurable goods industries	146,449	147,605	147,511	-0.8	+0.1	-0.5	150,500	154,587	150,575	153,703	-2.1	1,483,905	1,476,945
ith unfilled orders	36,451	36,856	37,357	-1.1	-1.3	-1.8	36,973	38,416	38,252	38,528	-4.0	372,717	363,737

Preliminary. ' Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

1) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ase from the prior month to the current month.

ote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, h includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ls on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), ufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97
All manufacturing industries	525,251	530,266	530,359	-0.9	0.0	+0.3	522,971	525,390	529,830	524,156	-0.2
Manufacturing industries without defense capital goods	428,874	433,214	433,743	-1.0	-0.1	+0.7	428,818	429,948	434,824	423,780	+1.2
Durable goods industries	501,261	506,054	506,113	-0.9	0.0	+0.3	499,749	501,112	504,851	498,555	+0.2
Stone, clay, and glass products	6,363	6,401	6,450	-0.6	-0.8	-0.7	6,256	6,415	6,482	6,302	-0.7
Primary metals	29,258	30,635	31,669	-4.5	-3.3	-2.0	27,718	29,662	31,275	33,102	-16.3
Blast furnaces, steel mills	11,433	12,254	12,816	-6.7	-4.4	-4.3	10,631	11,686	12,601	13,271	-19.9
Iron and steel foundries	5,452	5,527	5,650	-1.4	-2.2	+2.2	5,248	5,373	5,585	5,026	+4.4
Nonferrous and other primary metals	12,373	12,854	13,203	-3.7	-2.6	-1.4	11,839	12,603	13,089	14,805	-20.0
Fabricated metal products	26,250	26,218	26,523	+0.1	-1.1	-1.6	26,040	26,247	26,789	26,466	-1.6
Industrial machinery and equipment	74,286	75,630	73,422	-1.8	+3.0	+1.0	74,294	74,847	72,505	74,267	0.0
Engines and turbines	16,745	16,385	13,198	+2.2	+24.1	+10.7	17,286	16,581	12,906	12,522	+38.0
Construction, mining and material handling equipment	10,014	10,316	10,666	-2.9	-3.3	-3.9	9,764	9,894	10,269	9,776	-0.1
Metalworking machinery	6,876	7,135	7,335	-3.6	-2.7	+0.2	6,876	7,135	7,335	7,674	-10.4
Computer and office equipment	7,776	8,001	8,003	-2.8	0.0	+1.7	7,896	7,996	8,164	8,310	-5.0
Electronic and other electrical equipment	60,691	59,249	58,801	+2.4	+0.8	-0.2	63,002	57,546	59,696	57,706	+9.2
Electrical transmission and distribution equipment and industrial apparatus	6,534	6,396	6,442	+2.2	-0.7	+0.1	6,469	6,255	6,451	6,384	+1.3
Electric lighting and wiring equipment	5,056	4,986	5,186	+1.4	-3.9	-0.4	5,056	4,986	5,186	4,915	+2.9
Communications equipment	17,490	17,120	16,811	+2.2	+1.8	-1.3	17,519	17,107	16,790	14,957	+17.1
Electronic components	25,735	25,007	24,632	+2.9	+1.5	+1.1	27,981	23,475	25,408	24,724	+13.2
Transportation equipment	247,853	251,394	252,881	-1.4	-0.6	+0.9	245,946	250,126	251,682	243,259	+1.1
Aircraft, missiles, space vehicles, and parts	211,441	215,042	217,854	-1.7	-1.3	+0.9	209,690	213,757	216,604	209,323	+0.2
Shipbuilding and tanks	18,438	17,985	16,951	+2.5	+6.1	-2.8	18,491	18,047	16,938	17,450	+6.0
Instruments and related products	48,374	48,402	48,297	-0.1	+0.2	-0.7	48,006	47,952	48,013	48,736	-1.5
Search and navigation equipment	27,179	27,421	27,419	-0.9	0.0	-1.3	26,677	27,109	27,080	28,274	-5.6
Measuring and controlling devices	10,283	10,211	10,283	+0.7	-0.7	+0.3	10,283	10,211	10,283	10,635	-3.3
Medical instruments and supplies	9,894	9,798	9,599	+1.0	+2.1	-0.1	10,043	9,655	9,640	8,278	+21.3
All other durable goods	8,186	8,125	8,070	+0.8	+0.7	+0.3	8,487	8,317	8,409	8,717	-2.6
Nondurable goods industries	23,990	24,212	24,246	-0.9	-0.1	-0.6	23,222	24,278	24,979	25,601	-9.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97
All manufacturing industries	471,472	468,552	468,445	+0.6	0.0	+0.2	472,290	467,407	471,596	456,570	+3.4
nufacturing industries											
th unfilled orders	316,890	315,009	314,994	+0.6	0.0	+0.4	316,933	314,283	318,882	303,329	+4.5
thout defense capital goods	452,240	449,779	449,439	+0.5	+0.1	+0.1	452,870	448,400	452,163	439,760	+3.0
rable goods industries	298,900	296,757	296,913	+0.7	-0.1	+0.4	298,963	295,733	299,838	286,770	+4.3
/ith unfilled orders	275,260	273,277	273,472	+0.7	-0.1	+0.5	275,510	272,462	276,614	263,349	+4.6
ne, clay, and glass products	9,231	9,237	9,164	-0.1	+0.8	+0.6	8,897	9,049	9,118	8,610	+3.3
nary metals	24,836	24,898	24,859	-0.2	+0.2	+0.4	24,700	24,912	24,933	24,283	+1.7
Blast furnaces, steel mills	12,343	12,398	12,437	-0.4	-0.3	+0.8	12,350	12,464	12,485	11,720	+5.4
ron and steel foundries	1,575	1,570	1,583	+0.3	-0.8	+0.8	1,539	1,540	1,556	1,524	+1.0
Nonferrous and other primary metals	10,918	10,930	10,839	-0.1	+0.8	-0.2	10,811	10,908	10,892	11,039	-2.1
ricated metal products	31,102	31,050	30,944	+0.2	+0.3	0.0	30,772	30,831	30,970	29,111	+5.7
ustrial machinery and equipment	60,892	60,938	60,958	-0.1	0.0	+0.1	60,808	60,425	61,693	60,162	+1.1
ngines and turbines	3,949	4,022	4,135	-1.8	-2.7	-1.1	4,068	4,055	4,320	4,206	-3.3
arm and garden machinery	3,819	3,786	3,733	+0.9	+1.4	+1.2	3,602	3,546	3,486	3,358	+7.3
Construction, mining and material handling equipment	8,900	8,807	8,753	+1.1	+0.6	+0.5	8,845	8,694	8,692	7,901	+11.9
Metalworking machinery	7,849	7,953	7,925	-1.3	+0.4	+2.1	7,912	8,115	8,285	7,412	+6.7
Computer and office equipment	9,263	9,316	9,464	-0.6	-1.6	-1.7	9,363	9,073	9,984	11,093	-15.6
ctronic and other ectrical equipment	40,457	40,172	40,526	+0.7	-0.9	+0.4	40,486	39,852	41,197	40,154	+0.8
lectrical transmission and listribution equipment and ndustrial apparatus	5,316	5,261	5,275	+1.0	-0.3	-0.2	5,341	5,208	5,309	5,675	-5.9
ousehold appliances	2,438	2,401	2,378	+1.5	+1.0	+0.6	2,373	2,285	2,342	2,326	+2.0
lectric lighting and wiring equipment	3,515	3,501	3,486	+0.4	+0.4	+0.8	3,540	3,454	3,561	3,395	+4.3
ousehold audio and ideo equipment	1,053	1,055	1,014	-0.2	+4.0	+3.5	1,062	1,111	1,109	1,078	-1.5
ommunications equipment	10,411	10,362	10,385	+0.5	-0.2	-0.2	10,455	10,309	10,596	10,583	-1.2
lectronic components	14,077	13,986	14,398	+0.7	-2.9	+0.6	14,088	13,871	14,547	13,565	+3.9
nsportation equipment	77,263	75,702	75,812	+2.1	-0.1	+1.0	78,042	75,935	76,819	71,399	+9.3
lotor vehicles and parts	16,708	16,701	16,511	0.0	+1.2	-1.7	16,784	16,889	16,842	16,439	+2.1
ircraft, missiles, space vehicles, and parts	54,887	53,441	53,572	+2.7	-0.2	+2.0	55,634	53,512	54,179	49,725	+11.9
hipbuilding and tanks	1,826	1,845	1,844	-1.0	+0.1	+6.0	1,795	1,843	1,828	1,585	+13.2
uments and related products	26,730	26,577	26,651	+0.6	-0.3	0.0	26,833	26,545	27,121	26,027	+3.1
earch and navigation equipment	6,784	6,705	6,721	+1.2	-0.2	-0.8	6,706	6,674	6,890	6,291	+6.6
leasuring and controlling devices	8,038	8,019	8,092	+0.2	-0.9	+0.7	8,021	7,975	8,212	7,985	+0.5
ledical instruments and supplies	8,525	8,524	8,503	0.0	+0.2	-0.3	8,629	8,470	8,614	8,460	+2.0
notographic goods	2,654	2,625	2,629	+1.1	-0.2	+0.3	2,747	2,734	2,695	2,634	+4.3
other durable goods	28,389	28,183	27,999	+0.7	+0.7	+0.3	28,425	28,184	27,987	27,024	+5.2
durable goods industries	172,572	171,795	171,532	+0.5	+0.2	-0.3	173,327	171,674	171,758	169,800	+2.1
/ith unfilled orders	41,630	41,732	41,522	-0.2	+0.5	-0.1	41,423	41,821	42,268	39,980	+3.6
d and kindred products	37,510	37,112	37,115	+1.1	0.0	-0.8	39,509	37,919	36,828	38,792	+1.8
leat products	4,065	4,031	4,040	+0.8	-0.2	-1.1	4,054	3,976	3,956	3,921	+3.4
airy products	3,834	3,774	3,775	+1.6	0.0	-0.3	3,844	3,745	3,844	3,415	+12.6
everages	8,175	8,140	8,183	+0.4	-0.5	-0.1	8,440	8,293	7,993	8,181	+3.2
ll other foods, except fats and oils	19,383	19,257	19,289	+0.7	-0.2	-0.9	21,042	20,160	19,368	21,258	-1.0
acco products	6,025	5,783	5,563	+4.2	+4.0	-1.8	6,154	5,577	5,234	5,890	+4.5
tile mill products	10,310	10,307	10,245	0.0	+0.6	-0.4	10,101	10,116	10,317	10,002	+1.0
roadwoven fabrics and other textiles	6,424	6,410	6,370	+0.2	+0.6	-0.4	6,309	6,261	6,389	6,181	+2.1
er and allied products	16,514	16,527	16,643	-0.1	-0.7	+0.4	16,251	16,344	16,602	15,737	+3.3
ulp, paper, and paperboard mill products	6,773	6,733	6,716	+0.6	+0.3	+0.1	6,666	6,666	6,704	6,356	+4.9
aperboard containers and boxes	4,212	4,235	4,343	-0.5	-2.5	+0.3	4,108	4,198	4,320	3,866	+6.3
liscellaneous converted paper products	5,529	5,559	5,584	-0.5	-0.4	+0.7	5,477	5,480	5,578	5,515	-0.7
micals and allied products	46,403	46,313	46,535	+0.2	-0.5	+0.3	45,885	45,777	46,489	43,202	+6.2
ndustrial chemicals	20,031	20,211	20,330	-0.9	-0.6	-0.3	19,755	20,148	20,284	19,700	+0.3
rugs, soaps, and toiletries	20,580	20,381	20,504	+1.0	-0.6	+0.3	20,549	20,203	20,806	18,419	+11.6
oleum and coal products	10,873	10,770	10,759	+1.0	+0.1	-1.3	10,998	10,867	10,828	12,749	-13.7
ber and plastics products	16,598	16,607	16,699	-0.1	-0.6	+0.3	16,207	16,270	16,508	16,037	+1.1
other nondurable goods	28,339	28,376	27,973	-0.1	+1.4	-0.3	28,222	28,804	28,952	27,391	+3.0

Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97	1998[p]	1997
SHIPMENTS													
All manufacturing industries	340,092	340,481	336,445	-0.1	+1.2	+0.3	350,406	364,324	337,377	342,277	+2.4	3,368,667	3,265,63
Market categories :													
Automotive equipment	15,250	15,157	14,777	+0.6	+2.6	+10.7	17,279	16,275	15,005	16,159	+6.9	145,376	141,56
Home goods and apparel	18,533	18,656	18,928	-0.7	-1.4	-2.1	20,603	21,064	20,034	20,889	-1.4	190,259	184,20
Consumer staples	69,249	69,893	69,369	-0.9	+0.8	+0.2	71,499	73,983	70,871	70,406	+1.6	690,073	671,52
Machinery and equipment	66,596	66,513	63,815	+0.1	+4.2	+0.9	66,037	73,262	60,645	59,605	+10.8	635,937	584,15
Business supplies	25,354	25,416	25,432	-0.2	-0.1	-0.7	26,157	26,584	25,674	26,435	-1.1	254,418	251,07
Construction materials and supplies	21,660	21,705	21,656	-0.2	+0.2	-1.8	22,891	23,183	22,766	22,564	+1.4	218,054	212,63
Defense products	7,245	6,874	6,975	+5.4	-1.4	+2.7	7,177	7,368	6,784	6,589	+8.9	68,155	64,86
Other materials, supplies and and intermediate products	116,205	116,267	115,493	-0.1	+0.7	-0.2	118,763	122,605	115,598	119,630	-0.7	1,166,395	1,155,60
Durable goods industries :													
Nondefense capital goods [3]	53,753	53,419	51,222	+0.6	+4.3	-0.2	51,355	59,943	47,823	45,486	+12.9	508,164	459,65
Excluding aircraft and parts	44,998	45,021	43,715	-0.1	+3.0	-0.9	43,029	50,929	40,798	39,724	+8.3	432,945	394,84
Defense capital goods [4]	7,029	6,606	6,688	+6.4	-1.2	+3.0	6,985	7,093	6,462	6,208	+12.5	64,916	61,11
Durables excluding capital goods	132,639	132,817	130,879	-0.1	+1.5	+1.4	140,510	142,000	131,773	136,191	+3.2	1,309,680	1,268,88
Miscellaneous series :													
Producers' durable equipment	126,299	126,031	122,178	+0.2	+3.2	+1.5	129,808	137,399	119,098	120,511	+7.7	1,218,065	1,144,12
Household durable goods	9,238	9,231	9,247	+0.1	-0.2	-4.0	10,054	10,549	9,288	9,887	+1.7	92,909	87,25
Information technology industries	25,358	25,415	24,628	-0.2	+3.2	-0.8	23,385	30,210	22,636	21,532	+8.6	240,648	218,67
Health care equipment and products	11,812	12,382	11,895	-4.6	+4.1	-0.6	11,784	13,782	11,654	11,414	+3.2	118,141	108,99
NEW ORDERS													
All manufacturing industries	335,077	340,388	337,815	-1.6	+0.8	+0.9	347,987	359,884	335,916	347,068	+0.3	3,360,080	3,280,83
Market categories :													
Automotive equipment	15,251	15,223	14,733	+0.2	+3.3	+11.0	17,273	16,288	14,994	16,163	+6.9	145,247	141,80
Home goods and apparel	18,769	18,792	19,141	-0.1	-1.8	+0.2	20,737	21,051	20,143	20,722	+0.1	190,349	185,98
Consumer staples	69,104	69,884	69,360	-1.1	+0.8	+0.1	71,141	73,786	70,786	70,246	+1.3	690,124	671,65
Machinery and equipment	63,455	67,815	67,303	-6.4	+0.8	+7.3	63,518	73,983	63,811	64,202	-1.1	640,063	593,16
Business supplies	25,186	25,434	25,378	-1.0	+0.2	-1.1	25,758	26,378	25,567	26,355	-2.3	254,581	251,33
Construction materials and supplies	21,689	21,391	21,523	+1.4	-0.6	-2.1	22,728	22,793	22,543	22,585	+0.6	217,926	213,84
Defense products	6,685	7,467	5,342	-10.5	+39.8	-9.5	6,088	7,945	4,068	4,950	+23.0	60,157	55,67
Other materials, supplies and and intermediate products	114,938	114,382	115,035	+0.5	-0.6	-1.6	120,744	117,660	114,004	121,845	-0.9	1,161,633	1,167,38
Durable goods industries :													
Nondefense capital goods [3]	49,965	53,540	55,371	-6.7	-3.3	+9.1	48,356	60,062	51,767	49,174	-1.7	509,849	465,27
Excluding aircraft and parts	43,548	47,663	44,785	-8.6	+6.4	+2.5	42,368	53,569	41,663	41,768	+1.4	436,329	401,75
Defense capital goods [4]	6,354	7,042	4,933	-9.8	+42.8	-10.7	5,696	7,529	3,574	4,419	+28.9	56,853	51,78
Durables excluding capital goods	132,309	132,201	130,000	+0.1	+1.7	-0.3	143,435	137,706	130,000	139,772	+2.6	1,309,473	1,286,82
Miscellaneous series :													
Producers' durable equipment	123,779	128,493	124,620	-3.7	+3.1	+4.6	128,159	139,041	121,434	126,523	+1.3	1,222,231	1,158,14
Household durable goods	9,361	9,285	9,388	+0.8	-1.1	+0.2	10,241	10,576	9,443	9,822	+4.3	92,755	88,96
Information technology industries	25,529	25,660	24,340	-0.5	+5.4	-0.7	23,676	30,287	22,290	21,475	+10.2	243,023	221,27
Health care equipment and products	11,908	12,581	11,888	-5.3	+5.8	-3.6	12,172	13,797	11,675	11,775	+3.4	119,762	109,76

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and r handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97
UNFILLED ORDERS											
l manufacturing industries	525,251	530,266	530,359	-0.9	0.0	+0.3	522,971	525,390	529,830	524,156	-0.2
ket categories :											
utomotive equipment	2,381	2,380	2,314	0.0	+2.9	-1.9	2,358	2,364	2,351	2,554	-7.7
ome goods and apparel	8,592	8,356	8,219	+2.8	+1.7	+2.6	8,646	8,513	8,526	8,925	-3.1
onsumer staples	2,127	2,271	2,279	-6.3	-0.4	-0.4	2,100	2,45o	2,655	2,217	-5.3
lachinery and equipment	247,092	250,233	248,931	-1.3	+0.5	+1.4	246,868	249,387	248,666	234,144	+5.4
usiness supplies	6,718	6,886	6,868	-2.4	+0.3	-0.8	6,595	6,994	7,200	6,745	-2.2
onstruction materials and supplies	17,711	17,682	17,996	+0.2	-1.7	-0.7	17,498	17,661	18,051	17,617	-0.7
efense products	91,666	92,227	91,634	-0.6	+0.6	-1.8	89,547	90,636	90,059	95,804	-6.5
ther materials, supplies and and intermediate products	148,964	150,231	152,118	-0.8	-1.2	-0.3	149,359	147,377	152,322	156,150	-4.3
ıble goods industries :											
ondefense capital goods [3]	262,916	266,704	266,583	-1.4	0.0	+1.6	262,901	265,900	265,781	252,792	+4.0
Excluding aircraft and parts	106,571	108,021	105,379	-1.3	+2.5	+1.0	106,556	107,217	104,577	103,128	+3.3
efense capital goods [4]	96,377	97,052	96,616	-0.7	+0.5	-1.8	94,153	95,442	95,006	100,376	-6.2
ırables excluding capital goods	141,968	142,298	142,914	-0.2	-0.4	-0.6	142,695	139,770	144,064	145,387	-1.9
ellaneous series :											
oducers' durable equipment	287,207	289,727	287,265	-0.9	+0.9	+0.9	287,280	288,929	287,287	274,411	+4.7
ousehold durable goods	5,410	5,287	5,233	+2.3	+1.0	+2.8	5,629	5,442	5,415	6,162	-8.6
formation technology industries	40,231	40,060	39,815	+0.4	+0.6	-0.7	40,345	40,054	39,977	38,812	+3.9
alth care equipment and products	9,934	9,838	9,639	+1.0	+2.1	-0.1	10,085	9,697	9,682	8,324	+21.2
TOTAL INVENTORIES											
manufacturing industries	471,472	468,552	468,445	+0.6	0.0	+0.2	472,290	467,407	471,596	456,570	+3.4
et categories :											
ıtomotive equipment	8,340	8,287	8,330	+0.6	-0.5	-2.4	8,324	8,332	8,555	8,216	+1.3
me goods and apparel	32,334	32,107	31,724	+0.7	+1.2	+0.5	31,783	32,046	32,355	30,258	+5.0
nsumer staples	73,454	72,651	72,611	+1.1	+0.1	-0.6	75,404	73,120	72,505	73,433	+2.7
achinery and equipment	121,877	120,647	120,861	+1.0	-0.2	+0.8	122,335	119,884	122,311	117,784	+3.9
siness supplies	28,343	28,474	28,140	-0.5	+1.2	-0.2	28,483	28,721	28,490	27,516	+3.5
nstruction materials nd supplies	28,931	28,820	28,752	+0.4	+0.2	+0.7	28,609	28,578	28,760	27,906	+2.5
fense products	18,955	18,499	18,740	+2.5	-1.3	+0.9	19,105	18,677	19,105	16,635	+14.8
her materials, supplies and nd intermediate products	159,238	159,067	159,287	+0.1	-0.1	0.0	158,247	158,049	159,515	154,822	+2.2
ble goods industries :											
ndefense capital goods [3]	113,998	112,839	112,969	+1.0	-0.1	+0.9	114,654	112,209	114,503	111,098	+3.2
xcluding aircraft and parts	71,857	71,709	71,949	+0.2	-0.3	+0.2	71,984	71,233	73,188	72,176	-0.3
fense capital goods [4]	19,232	18,773	19,006	+2.4	-1.2	+0.9	19,420	19,007	19,433	16,810	+15.5
rables excluding capital goods	165,670	165,145	164,938	+0.3	+0.1	0.0	164,889	164,517	165,902	158,862	+3.8
ellaneous series :											
oducers' durable equipment	194,537	193,253	193,215	+0.7	0.0	+0.5	194,682	192,300	195,391	187,463	+3.9
ousehold durable goods	16,555	16,393	16,164	+1.0	+1.4	+0.8	16,439	16,350	16,459	15,167	+8.4
ormation technology industries	32,852	32,769	33,013	+0.3	-0.7	-0.3	32,989	32,468	33,956	34,465	-4.3
alth care equipment nd products	19,674	19,564	19,613	+0.6	-0.2	+0.1	19,758	19,413	19,883	18,450	+7.1

e footnotes at end of table 5.

e note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	Oct. 1997	Oct. 98/97
MATERIALS AND SUPPLIES											
All manufacturing industries	156,194	156,129	155,669	0.0	+0.3	-0.3	156,563	156,325	155,901	152,061	+3.0
Durable goods industries	93,448	93,291	93,042	+0.2	+0.3	-0.4	93,940	93,880	93,739	90,747	+3.5
Stone, clay, and glass products	3,108	3,137	3,081	-0.9	+1.8	+1.6	3,114	3,157	3,110	2,982	+4.4
Primary metals	7,940	8,075	8,016	-1.7	+0.7	-0.2	8,102	8,193	8,074	8,109	-0.1
Fabricated metal products	10,750	10,848	10,675	-0.9	+1.6	-1.0	10,695	10,884	10,682	10,115	+5.7
Industrial machinery and equipment	19,623	19,741	19,717	-0.6	+0.1	-1.4	19,677	19,933	20,082	19,610	+0.3
Electronic and other electrical equipment	15,972	15,607	15,729	+2.3	-0.8	+0.1	16,065	15,612	15,947	15,411	+4.2
Transportation equipment	15,671	15,596	15,556	+0.5	+0.3	-1.2	15,596	15,596	15,535	14,925	+4.5
Instruments and related products	9,287	9,251	9,297	+0.4	-0.5	+0.8	9,241	9,267	9,388	8,733	+5.8
Lumber, furniture and miscellaneous durable goods	11,097	11,036	10,971	+0.6	+0.6	+0.5	11,450	11,238	10,921	10,862	+5.4
Nondurable goods industries	62,746	62,838	62,627	-0.1	+0.3	-0.1	62,623	62,445	62,162	61,314	+2.1
Food and kindred products	11,515	11,495	11,464	+0.2	+0.3	-0.6	11,838	11,244	11,103	11,405	+3.8
Tobacco products	5,238	5,019	4,820	+4.4	+4.1	-1.4	5,184	4,857	4,619	5,025	+3.2
Textile mill products	2,972	2,989	2,981	-0.6	+0.3	+0.1	2,871	2,922	2,978	2,929	-2.0
Paper and allied products	7,996	8,059	8,162	-0.8	-1.3	+0.1	7,968	8,042	8,110	7,716	+3.3
Chemicals and allied products	15,520	15,574	15,526	-0.3	+0.3	+0.9	15,438	15,605	15,527	14,641	+5.4
Petroleum and coal products	3,247	3,266	3,320	-0.6	-1.6	-1.3	3,265	3,240	3,324	3,914	-16.6
Rubber and plastics products	6,787	6,833	6,841	-0.7	-0.1	+0.8	6,681	6,807	6,758	6,433	+3.9
Apparel, printing and publishing and leather goods	9,471	9,603	9,513	-1.4	+0.9	-0.8	9,378	9,728	9,743	9,251	+1.4
WORK IN PROCESS											
All manufacturing industries	153,112	151,227	152,137	+1.2	-0.6	+0.7	154,689	151,584	154,284	147,280	+5.0
Durable goods industries	123,686	122,063	122,862	+1.3	-0.7	+1.2	124,287	122,089	124,932	117,141	+6.1
Stone, clay, and glass products	1,341	1,338	1,357	+0.2	-1.4	+0.4	1,265	1,306	1,362	1,245	+1.6
Primary metals	8,589	8,574	8,613	+0.2	-0.5	0.0	8,516	8,582	8,668	8,590	-0.9
Fabricated metal products	9,131	9,005	9,019	+1.4	-0.2	-0.5	9,179	9,082	9,176	8,629	+6.4
Industrial machinery and equipment	22,850	22,794	23,112	+0.2	-1.4	+2.2	22,961	22,802	23,586	22,492	+2.1
Electronic and other electrical equipment	14,033	14,106	14,279	-0.5	-1.2	+1.3	13,983	14,017	14,470	13,872	+0.8
Transportation equipment	52,480	51,113	51,258	+2.7	-0.3	+1.9	53,148	51,213	52,093	47,143	+12.7
Instruments and related products	9,904	9,838	9,937	+0.7	-1.0	-0.7	9,877	9,749	10,213	9,850	+0.2
Lumber, furniture and miscellaneous durable goods	5,358	5,295	5,287	+1.2	+0.2	-0.5	5,358	5,338	5,364	5,320	+0.7
Nondurable goods industries	29,426	29,164	29,275	+0.9	-0.4	-1.4	30,402	29,495	29,352	30,139	+0.9
Food and kindred products	5,564	5,425	5,551	+2.6	-2.3	-3.1	6,350	5,575	5,176	6,672	-4.8
Tobacco products	91	102	108	-10.8	-5.6	-10.7	106	107	108	108	-1.9
Textile mill products	2,646	2,650	2,669	-0.2	-0.7	-0.3	2,647	2,660	2,681	2,738	-3.3
Paper and allied products	1,549	1,566	1,609	-1.1	-2.7	+1.6	1,484	1,546	1,621	1,553	-4.4
Chemicals and allied products	8,797	8,621	8,681	+2.0	-0.7	-0.4	8,799	8,584	8,792	7,917	+11.1
Petroleum and coal products	2,614	2,631	2,471	-0.6	+6.5	-4.2	2,657	2,663	2,491	2,905	-8.5
Rubber and plastics products	2,219	2,210	2,228	+0.4	-0.8	+1.0	2,244	2,205	2,229	2,217	+1.2
Apparel, printing and publishing and leather goods	5,946	5,959	5,958	-0.2	0.0	-1.8	6,115	6,155	6,254	6,029	+1.4
FINISHED GOODS											
All manufacturing industries	162,166	161,196	160,639	+0.6	+0.3	+0.1	161,038	159,498	161,411	157,229	+2.4
Durable goods industries	81,766	81,403	81,009	+0.4	+0.5	+0.2	80,736	79,764	81,167	78,882	+2.4
Stone, clay, and glass products	4,782	4,762	4,726	+0.4	+0.8	-0.1	4,518	4,586	4,646	4,383	+3.1
Primary metals	8,307	8,249	8,230	+0.7	+0.2	+1.4	8,082	8,137	8,191	7,584	+6.6
Fabricated metal products	11,221	11,197	11,250	+0.2	-0.5	+1.4	10,898	10,865	11,112	10,367	+5.1
Industrial machinery and equipment	18,419	18,403	18,129	+0.1	+1.5	-0.8	18,170	17,690	18,025	18,060	+0.6
Electronic and other electrical equipment	10,452	10,459	10,518	-0.1	-0.6	-0.1	10,438	10,223	10,780	10,871	-4.0
Transportation equipment	9,112	8,993	8,998	+1.3	-0.1	0.0	9,298	9,126	9,191	9,331	-0.4
Instruments and related products	7,539	7,488	7,417	+0.7	+1.0	-0.2	7,715	7,529	7,520	7,444	+3.6
Lumber, furniture and miscellaneous durable goods	11,934	11,852	11,741	+0.7	+0.9	+0.5	11,617	11,608	11,702	10,842	+7.1
Nondurable goods industries	80,400	79,793	79,630	+0.8	+0.2	0.0	80,302	79,734	80,244	78,347	+2.5
Food and kindred products	20,431	20,192	20,100	+1.2	+0.5	-0.3	21,321	21,100	20,549	20,715	+2.9
Tobacco products	696	662	635	+5.1	+4.3	-3.5	864	613	507	757	+14.1
Textile mill products	4,692	4,668	4,595	+0.5	+1.6	-0.8	4,583	4,534	4,658	4,335	+5.7
Paper and allied products	6,969	6,902	6,872	+1.0	+0.4	+0.4	6,799	6,756	6,871	6,468	+5.1
Chemicals and allied products	22,086	22,118	22,328	-0.1	-0.9	+0.2	21,648	21,588	22,170	20,644	+4.9
Petroleum and coal products	5,012	4,873	4,968	+2.9	-1.9	+0.1	5,076	4,964	5,013	5,930	-14.4
Rubber and plastics products	7,592	7,564	7,630	+0.4	-0.9	-0.3	7,282	7,258	7,521	7,387	-1.4
Apparel, printing and publishing and leather goods	12,922	12,814	12,502	+0.8	+2.5	+0.7	12,729	12,921	12,955	12,111	+5.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	July 1998	Oct. 1998[p]	Sept. 1998[r]	Aug. 1998	July 1998
l manufacturing industries	1.39	1.38	1.39	1.39	2.67	2.70	2.74	2.72
ble goods industries	1.55	1.54	1.57	1.58	3.13	3.17	3.24	3.23
ne, clay, and glass products	1.14	1.14	1.14	1.12	0.82	0.83	0.84	0.84
mary metals	1.70	1.67	1.65	1.65	2.00	2.05	2.10	2.16
bricated metal products	1.54	1.53	1.54	1.52	1.38	1.38	1.40	1.41
ustrial machinery and equipment	1.65	1.66	1.66	1.61	2.11	2.17	2.11	2.04
ctronic and other ectrical equipment	1.26	1.24	1.30	1.29	1.89	1.83	1.88	1.89
nsportation equipment	1.62	1.62	1.71	1.85	9.16	9.68	10.35	11.00
truments and related products	1.91	1.86	1.94	1.90	3.46	3.39	3.51	3.47
lurable goods industries	1.18	1.16	1.16	1.16	0.65	0.66	0.65	0.64
od and kindred products	0.90	0.90	0.90	0.92	(X)	(X)	(X)	(X)
bacco products	1.70	1.64	1.60	1.64	(X)	(X)	(X)	(X)
tile mill products	1.56	1.59	1.53	1.48	(NA)	(NA)	(NA)	(NA)
er and allied products	1.24	1.22	1.21	1.19	(NA)	(NA)	(NA)	(NA)
micals and allied products	1.45	1.42	1.45	1.43	(X)	(X)	(X)	(X)
roleum and coal products	0.92	0.91	0.91	0.90	(X)	(X)	(X)	(X)
ber and plastics products	1.26	1.25	1.27	1.27	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1998	Oct.[2] 1993-1997	Oct. 1997-Sept. 1998	Oct.[1] 1998	Oct.[2] 1993-1997	Oct. 1997-Sept. 1998	Oct.[1] 1998	Oct.[2] 1993-1997	Oct. 1997-Sept. 1998	Oct.[1] 1998	Oct.[2] 1993-1997	Oct. 1997-Sept. 1998
manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
le goods industries	-0.3	0.2	0.3	-0.5	0.1	0.3	0.0	0.1	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.6	0.4	(X)	1.4	0.6	(X)	1.3	0.5	(X)	0.2	0.2
ary metals	-0.2	0.4	0.3	-1.3	0.7	0.7	-0.6	0.2	0.2	(X)	0.1	0.1
icated metal products	(X)	0.2	0.2	(X)	0.5	0.3	(X)	0.4	0.2	(X)	0.1	0.1
strial machinery and equipment	-0.1	0.6	0.3	-0.1	0.6	0.3	0.0	0.2	0.1	(X)	0.1	0.1
tronic and other ctrical equipment	0.1	0.3	0.6	0.2	0.9	0.9	0.0	0.3	0.5	(X)	0.1	0.2
sportation equipment	0.0	0.4	0.7	-0.1	0.7	0.9	0.0	0.1	0.1	(X)	0.4	0.3
uments and related products	(X)	0.2	0.5	(X)	1.1	1.0	(X)	0.2	0.2	(X)	0.2	0.1
rable goods industries	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.1	0.0
d and kindred products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
cco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
ile mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
r and allied products	(X)	0.0	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
nicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
oleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
ber and plastics products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
l goods industries :												
defense	0.2	0.5	0.4	0.5	0.6	0.5	0.1	0.1	0.1	(X)	0.3	0.2
nse	0.1	0.9	0.7	0.0	4.7	2.0	0.0	0.3	0.1	(X)	0.3	0.2

) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The hly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the le goods industries are shown in the advance report for the month.

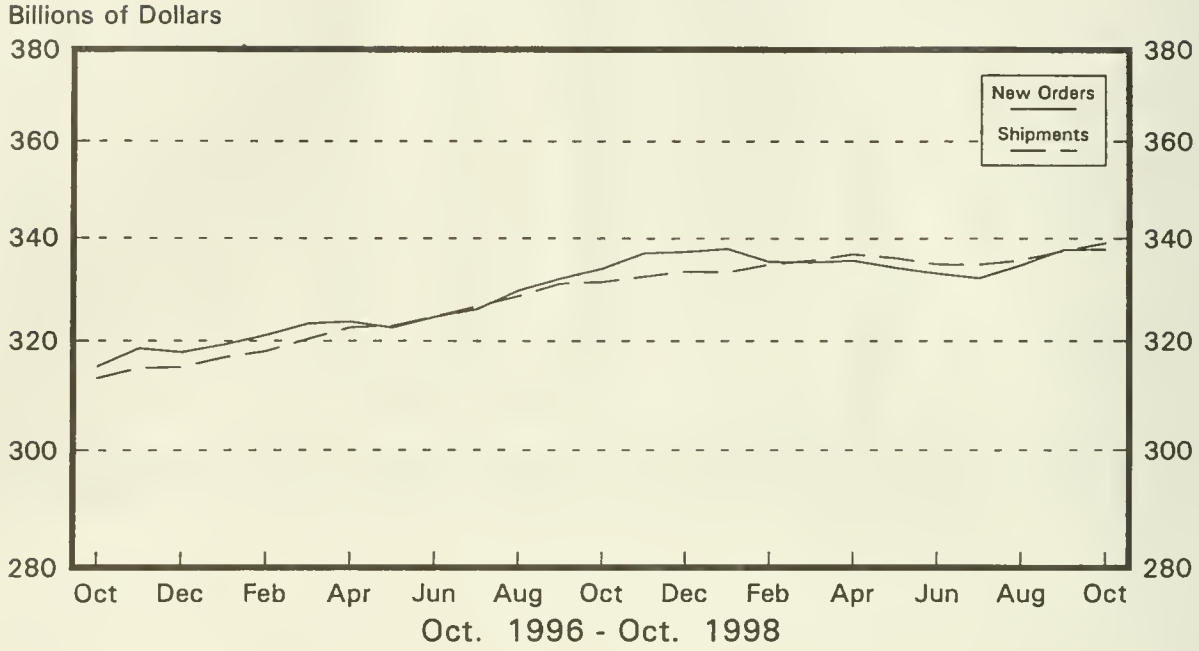
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision.

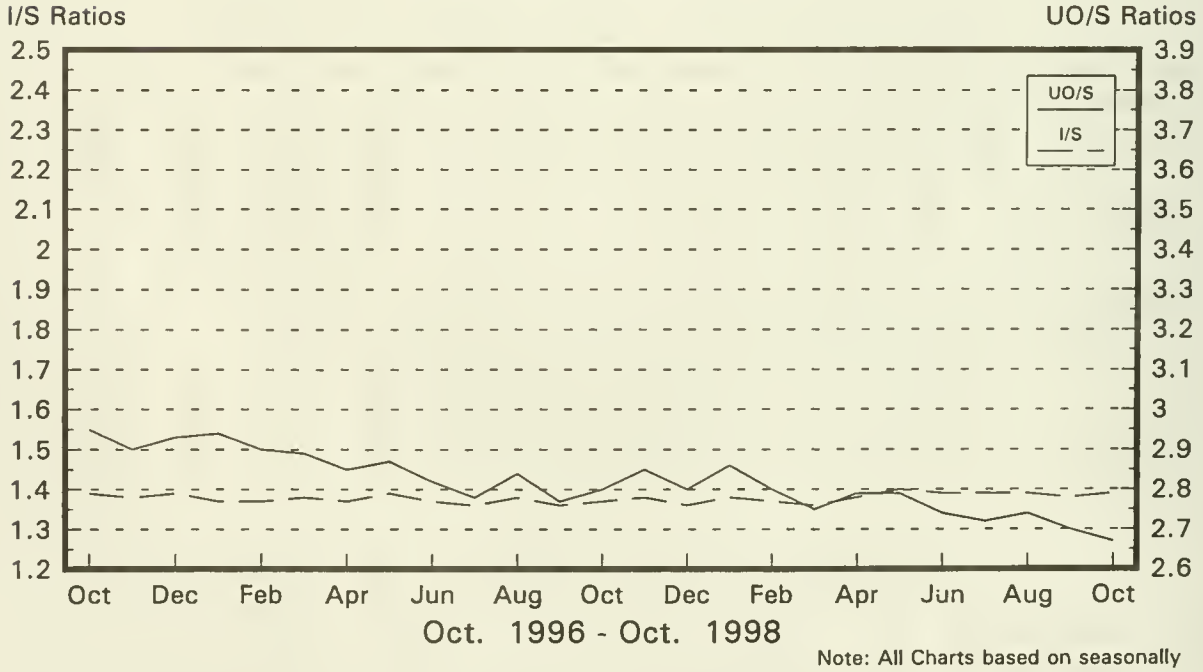
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

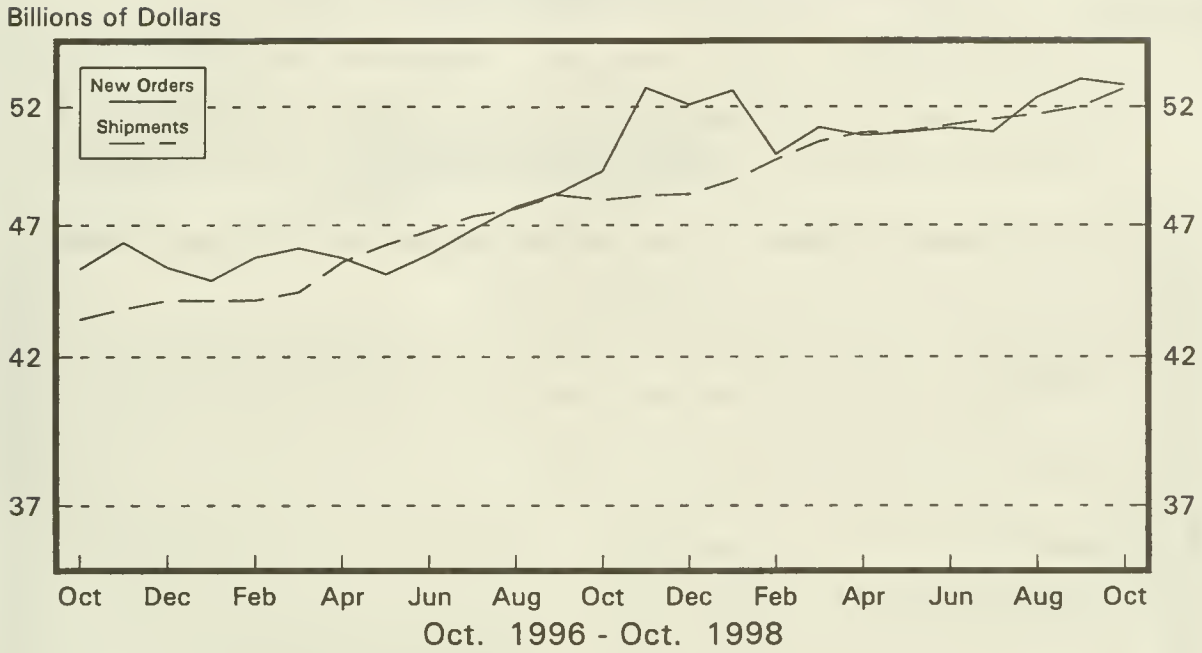
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

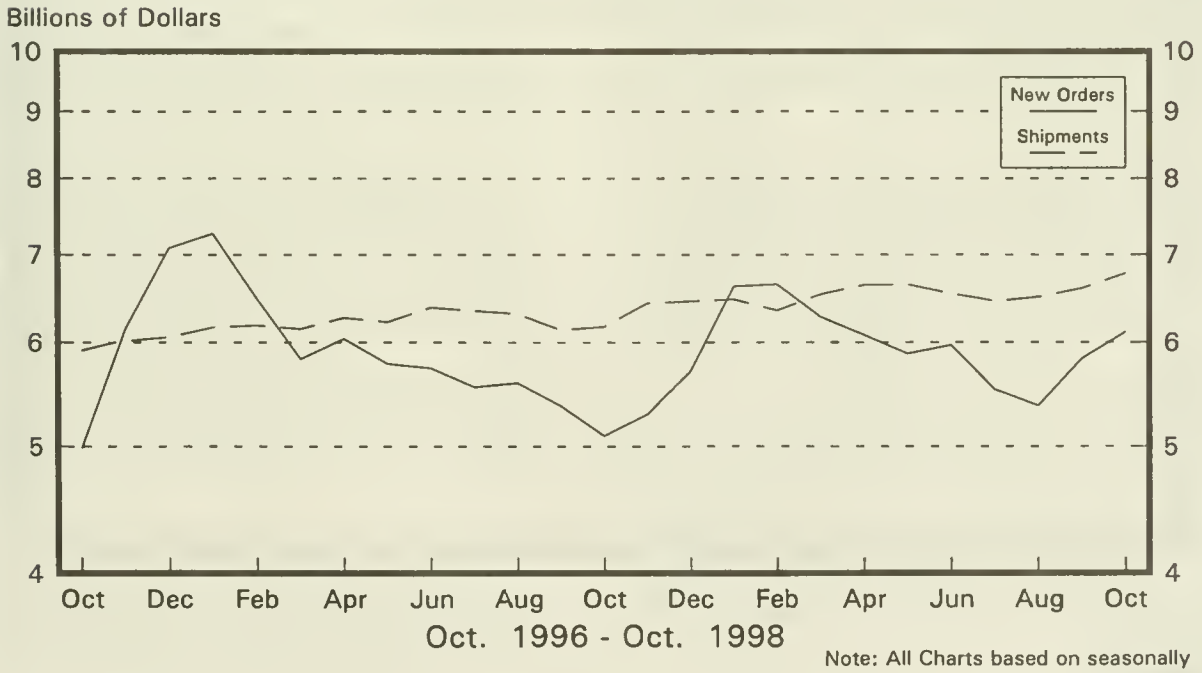
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998/1999 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
November 1998	Wed., Dec. 23 (10 A.M.)	Thurs., Jan 7, 1999
December 1998	Thur., Jan. 28	Thur., Feb 4
January 1999	Thur., Feb. 25	Thur., Mar. 4
February 1999	Wed., Mar. 24	Wed., Mar. 31
March 1999	Wed., Apr. 28	Wed., May 5
April 1999	Wed ., May 26	Thur., June 3
May 1999	Thur, June 24	Fri, July 2
June 1999	Wed., July 28	Wed., Aug. 4
July 1999	Wed., Aug. 25	Thur., Sep. 2
August 1999	Wed., Sept. 29	Wed., Oct. 6
September 1999	Wed., Oct. 27	Wed., Nov. 3
October 1999	Tues., Nov. 23	Fri., Dec. 3
November 1999	Thur, Dec. 23	

C. 138. M3-1-(98)-11

Manufacturers' Shipments, Inventories, and Orders

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Data - (301) 457-4673
Questions - Kathy Menth or Lee Wentela
) 457-4804 or (301) 457-4852

Note: All figures in text are in seasonally adjusted current dollars

mary

New orders for manufactured goods in November increased billion or 0.6 percent to $336.6 billion, the Department of merce, Bureau of the Census reported today. This follows a 1.7 ent October decrease and is the fifth increase in the last six hs. Excluding transportation, new orders increased 0.7 percent, second increase in the last three months. Year to date, new s are 2.0 percent above the same period a year ago.

Shipments increased $1.2 billion or 0.4 percent to $341.4 n, following a 0.1 percent October decrease. This is the fifth ase in the last six months. Year to date, shipments are 3.1 ent above the same period a year ago.

Unfilled orders, down six of the last seven months, decreased billion or 0.9 percent to $520.0 billion, following a 1.0 percent ber decrease. The unfilled orders-to-shipments ratio was 2.62, from 2.66 in October. The ratio has declined five of the last nonths.

Inventories increased $0.7 billion or 0.1 percent to $471.7 n. This is the twenty-second increase in the last twenty-three hs. The inventories-to-shipments ratio was 1.38, unchanged October.

Orders

New orders for manufactured durable goods in November ased $1.5 billion or 0.8 percent to $190.0 billion, revised from reviously published 1.0 percent increase. This follows a 2.2 nt October decrease and is the fifth increase in the last six hs.

Primary metals, up for the first month since August, had the st increase, $1.2 billion or 9.2 percent to $14.6 billion, following percent October decrease. Instruments and related products ased $0.3 billion or 2.4 percent to $14.0 billion. This follows percent October decrease. Electronic and other electrical ment, down for the first month since August, decreased $0.6 n or 1.8 percent to $32.7 billion, due to electronic components. follows a 1.5 percent October increase.

New orders for nondurable goods, up two of the last three hs, increased $0.4 billion or 0.3 percent to $146.6 billion. This ws a 1.0 percent October decrease. Increases, led by chemicals llied products, more than offset decreases, led by textile mill ucts.

ments

Shipments of durable goods in November increased $1.1 billion .6 percent to $194.9 billion, unrevised from the previously shed 0.6 percent increase. This follows a 0.5 percent October ase and is the sixth consecutive monthly increase. Instruments and related products increased $0.5 billion or 3.6 percent to $14.6 billion. This follows a 1.8 percent October decrease. Electronic and other electrical equipment, up five of the last six months, increased $0.5 billion or 1.6 percent to $32.7 billion, following a 0.6 percent October decrease. Primary metals, down eight of the last nine months, decreased $0.3 billion or 2.0 percent to $14.3 billion, following a 2.4 percent October decrease.

Shipments of nondurable goods, up for the first month since June, increased $0.1 billion or 0.1 percent to $146.4 billion, following a 0.9 percent October decrease. Chemicals and allied products, up two of the last three months, increased $0.5 billion or 1.5 percent to $32.4 billion, following a 2.0 percent October decrease. Petroleum and coal products, down seven of the last eight months, had the largest decrease, $0.4 billion or 3.4 percent to $11.1 billion. This follows a 3.2 percent October decrease.

Unfilled Orders

Unfilled orders for durable goods in November decreased $4.9 billion or 1.0 percent to $495.9 billion, revised from the previously published 0.9 percent decrease. This follows a 1.0 percent October decrease and is the sixth decline in the last seven months. Transportation equipment, down six of the last seven months, had the largest decrease, $3.4 billion or 1.4 percent to $244.8 billion. This follows a 1.3 percent October decrease. Industrial machinery and equipment, down for the second consecutive month, decreased $1.0 billion or 1.4 percent to $73.1 billion, following a 2.0 percent October decrease. Primary metals, up for the first month since February, increased $0.3 billion or 0.9 percent to $29.7 billion. This follows a 4.1 percent October decrease.

Inventories

Inventories of durable goods in November decreased $0.1 billion to $298.5 billion, following a 0.6 percent October increase. This is the second decrease this year. Transportation equipment, down two of the last three months, decreased $0.4 billion or 0.6 percent to $76.6 billion, following a 1.7 percent October increase. Industrial machinery and equipment, up for the first month since August, increased $0.2 billion or 0.3 percent to $61.0 billion. This follows a 0.2 percent October decrease.

Inventories of nondurable goods, up ten of the last eleven months, increased $0.8 billion or 0.5 percent to $173.3 billion, following a 0.4 percent October increase. Chemicals and allied products, up ten of the last eleven months, increased $0.5 billion or 1.1 percent to $46.9 billion, following a 0.1 percent October increase.

By stage of fabrication, November finished goods increased 0.8 percent in durables and 0.2 percent in nondurables. Work in process decreased 0.5 percent in durables and increased 1.7 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and increased 0.3 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

lvance report on durable goods for December is scheduled for January 28, 1999 at 8:30 a.m. and the full report on February 4, 1999 at 10:00 a.m. For sale by the Superintendent cuments, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to dat	
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov	Sept.-Oct	Aug.-Sept.	Nov 1998[p]	Oct 1998[r]	Sept. 1998	Nov. 1997	Nov. 98/97	1998[p]	1 7
All manufacturing industries	341,370	340,133	340,481	+0.4	-0 1	+1 2	341,714	350,525	364,324	331,406	+3.1	3,710,500	3,597
Manufacturing Industries													
with unfilled orders	198,697	197,344	196,406	+0.7	+0.5	+1.4	199,692	200,633	213,090	188,589	+5.9	2,130,237	2,019
without defense capital goods	334,466	333,065	333,875	+0.4	-0 2	+1 2	334,610	343,522	357,231	324,425	+3.1	3,638,462	3,528
Durable goods industries	194,923	193,818	192,842	+0 6	+0.5	+2.1	194,994	199,125	209,036	181,893	+7.2	2,078,029	1,971
With unfilled orders	161,817	160,571	159,516	+0.8	+0.7	+2 1	161,929	162,408	173,973	150,242	+7.8	1,717,559	1,618
Stone, clay, and glass products	8,211	8,149	8,077	+0.8	+0.9	+0 8	8,031	8,757	8,608	7,381	+8 8	88,778	8
Primary metals	14,298	14,590	14,951	-2.0	-2.4	-0.7	13,926	14,935	15,402	15,420	-9.7	167,988	17
Blast furnaces, steel mills	5,560	5,729	5,909	-2.9	-3.0	-3.2	5,319	5,851	6,003	6,139	-13.4	67,867	71
Iron and steel foundries	1,505	1,490	1,507	+1.0	-1.1	+2.3	1,473	1,603	1,590	1,389	+6 0	16,772	1
Nonferrous and other primary metals	7,233	7,371	7,535	-1.9	-2 2	+0.7	7,134	7,481	7,809	7,892	-9.6	83,349	8
Fabricated metal products	20,366	20,176	20,235	+0.9	-0.3	+0 6	20,191	21,391	21,460	18,961	+6.5	220,479	208
Industrial machinery and equipment	36,777	37,011	36,775	-0.6	+0 6	+0 2	34,574	35,476	40,690	32,592	+6 1	402,263	370
Engines and turbines	2,414	2,391	2,208	+1 0	+8 3	-2 6	2,357	2,250	2,468	2,018	+16.8	24,260	2
Farm and garden machinery	1,697	1,762	1,890	-3 7	-6.8	-3 1	1,242	1,624	1,744	1,311	-5.3	22,527	2
Construction, mining and material handling equipment	4,064	4,096	4,256	-0 8	-3 8	-1 2	3,767	4,044	4,280	3,771	-0.1	46,591	4
Metalworking machinery	3,704	3,620	3,515	+2 3	+3 0	+1.5	4,164	3,882	3,981	3,802	+9 5	38,370	3
Computer and office equipment	11,130	11,204	10,869	-0.7	+3 1	-1.0	10,204	9,633	13,791	8,427	+21.1	115,239	9
Electronic and other electrical equipment	32,729	32,219	32,422	+1 6	-0 6	+3.8	34,130	32,427	36,667	30,891	+10.5	339,143	31
Electrical transmission and distribution equipment and industrial apparatus	3,599	3,608	3,922	-0.2	-8.0	+5.5	3,468	3,522	4,417	3,383	+2.5	40,345	3
Household appliances	2,125	2,051	2,101	+3 6	-2.4	+1.2	2,084	2,067	2,279	1,975	+5.5	22,980	2
Electric lighting and wiring equipment	2,239	2,250	2,282	-0.5	-1.4	+1.6	2,347	2,225	2,540	2,328	+0 8	24,462	2
Household audio and video equipment	1,000	1,007	974	-0.7	+3 4	-3.0	1,270	1,340	1,188	1,331	-4 6	11,263	1
Communications equipment	7,576	7,362	7,631	+2 9	-3 5	+8 9	7,646	6,995	8,803	6,461	+18.3	75,506	6
Electronic components	13,799	13,638	13,280	+1.2	+2 7	+2.3	14,340	13,649	14,870	12,645	+13 4	140,309	13
Transportation equipment	48,329	48,017	46,588	+0.6	+3.1	+4 9	49,806	51,680	49,441	43,769	+13 8	490,295	45
Motor vehicles and parts	31,599	31,586	31,061	0.0	+1 7	+3 5	32,645	35,596	32,753	29,904	+9.2	331,337	32
Aircraft, missiles, space vehicles, and parts	13,210	12,797	11,921	+3 2	+7.3	+7.7	13,618	12,335	12,771	10,884	+25.1	123,499	10
Shipbuilding and tanks	1,278	1,456	1,073	-12.2	+35.7	+6 1	1,314	1,475	1,108	877	+49 8	11,191	
Instruments and related products	14,550	14,040	14,298	+3 6	-1 8	+4.0	14,632	13,698	15,714	13,735	+6.5	153,645	14
Search and navigation equipment	3,256	3,182	3,042	+2.3	+4 6	-2.4	3,285	3,074	3,378	2,750	+19.5	33,497	3
Measuring and controlling devices	4,240	3,927	4,014	+8 0	-2 2	+5.0	4,262	3,838	4,396	4,245	+0.4	44,539	4
Medical instruments and supplies	4,639	4,521	4,668	+2 6	-3 1	+7 3	4,554	4,309	5,135	4,249	+7.2	49,035	4
Photographic goods	1,937	1,952	2,118	-0.8	-7 8	+5 4	2,056	2,032	2,328	2,074	-0.9	21,533	2
All other durable goods	19,663	19,616	19,496	+0 2	+0.6	-0.1	19,704	20,761	21,054	19,144	+2.9	215,438	20
Nondurable goods industries	146,447	146,315	147,639	+0 1	-0 9	0.0	146,720	151,400	155,288	149,513	-1 9	1,632,471	1,62
With unfilled orders	36,880	36,773	36,890	+0 3	-0 3	-1.6	37,763	38,225	39,117	38,347	-1.5	412,678	40
Food and kindred products	41,429	41,351	41,272	+0.2	+0.2	+0 4	42,279	42,783	43,044	40,600	+4 1	449,520	43
Meat products	8,796	8,692	8,786	+1.2	-1 1	-0.4	8,907	8,773	8,946	8,720	+2.1	96,086	9
Dairy products	6,671	6,466	6,578	+3.2	-1.7	+4 7	6,906	6,339	6,752	5,253	+31.5	68,177	5
Beverages	6,032	6,138	6,206	-1 7	-1 1	+1 8	5,728	6,114	6,381	5,829	-1.7	67,347	6
All other foods, except fats and oils	17,797	17,968	17,691	-1.0	+1 6	-1 0	18,605	19,470	18,954	18,646	-0.2	195,110	19
Tobacco products	3,365	3,466	3,523	-2.9	-1 6	+1 3	3,347	3,659	3,522	3,627	-7.7	37,714	3
Textile mill products	6,496	6,551	6,491	-0.8	+0.9	-3 0	6,530	6,836	7,129	7,138	-8 5	74,796	7
Broadwoven fabrics and other textiles	3,868	3,899	3,927	-0 8	-0.7	-1 0	3,752	3,948	4,311	4,174	-10.1	44,987	4
Paper and allied products	13,468	13,421	13,518	+0 4	-0.7	-1 8	13,292	13,735	13,981	13,706	-3.0	152,169	14
Pulp, paper, and paperboard mill products	5,037	5,113	5,115	-1.5	0 0	-2 9	5,011	5,235	5,256	5,563	-9.9	58,669	5
Paperboard containers and boxes	3,499	3,434	3,461	+1.9	-0 8	-3 5	3,430	3,545	3,527	3,510	-2 3	39,539	3
Miscellaneous converted paper products	4,932	4,874	4,942	+1 2	-1 4	+0.7	4,851	4,955	5,198	4,633	+4.7	53,961	5
Chemicals and allied products	32,436	31,960	32,616	+1 5	-2 0	+1 3	31,156	31,536	34,084	31,173	-0 1	358,521	35
Industrial chemicals	14,416	14,585	14,675	-1 2	-0 6	-0 1	13,938	14,397	14,920	15,593	-10.6	165,663	17
Drugs, soaps, and toiletries	14,253	13,546	14,212	+5.2	-4 7	+2 3	14,176	13,850	15,956	12,576	+12 7	149,841	13
Petroleum and coal products	11,107	11,500	11,885	-3 4	-3 2	+1.1	11,222	12,267	12,436	14,419	-22.2	135,142	16
Rubber and plastics products	13,209	13,249	13,282	-0.3	-0.2	+0 7	12,697	13,796	13,875	12,615	+0 7	146,158	14
All other nondurable goods	24,937	24,817	25,052	+0.5	-0.9	-1 5	26,197	26,788	27,217	26,235	-0.1	278,451	26

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Nov. 1997	Nov. 98/97	1998[p]	1997
ll manufacturing industries	336,604	334,663	340,388	+0.6	-1.7	+0.8	334,672	347,900	359,884	340,579	-1.7	3,694,665	3,621,413
ufacturing industries													
th unfilled orders	193,931	191,874	196,313	+1.1	-2.3	+0.7	192,650	198,008	208,650	197,762	-2.6	2,114,402	2,043,933
thout defense capital goods	330,731	328,310	333,346	+0.7	-1.5	+0.1	328,575	342,165	352,355	334,455	-1.8	3,631,676	3,563,504
ıble goods industries	190,033	188,523	192,783	+0.8	-2.2	+1.3	187,774	197,533	205,297	191,215	-1.8	2,063,995	1,995,104
th unfilled orders	156,927	155,276	159,457	+1.1	-2.6	+1.1	154,709	160,816	170,234	159,564	-3.0	1,703,525	1,641,998
e, clay, and glass products	8,149	8,038	8,028	+1.4	+0.1	+0.8	7,910	8,520	8,541	7,252	+9.1	88,659	83,196
ıary metals	14,574	13,343	13,917	+9.2	-4.1	-3.4	14,121	13,123	13,789	15,763	-10.4	161,695	178,680
ast furnaces, steel mills	5,598	4,912	5,347	+14.0	-8.1	-3.2	5,363	4,798	5,088	6,610	-18.9	64,186	72,878
ɔn and steel foundries	1,563	1,504	1,384	+3.9	+8.7	-13.1	1,515	1,570	1,378	1,612	-6.0	16,678	16,507
ɔnferrous and other primary													
netals	7,413	6,927	7,186	+7.0	-3.6	-1.5	7,243	6,755	7,323	7,541	-4.0	80,831	89,295
icated metal products	20,316	20,095	19,930	+1.1	+0.8	+1.2	19,810	21,088	20,918	18,834	+5.2	219,692	210,678
strial machinery and equipment	35,753	35,503	38,983	+0.7	-8.9	+4.1	34,145	34,785	43,032	33,326	+2.5	402,565	372,154
ıgines and turbines	2,282	2,769	5,395	-17.6	-48.7	+52.4	2,426	2,994	6,143	2,347	+3.4	29,120	21,424
ınstruction, mining and													
aterial handling equipment	3,834	3,748	3,906	+2.3	-4.0	+0.8	3,552	3,839	3,905	3,962	-10.3	45,699	43,195
etalworking machinery	3,569	3,379	3,315	+5.6	+1.9	-4.7	4,029	3,641	3,781	3,709	+8.6	37,980	37,010
mputer and office equipment	10,988	10,948	10,867	+0.4	+0.7	-2.2	10,177	9,522	13,623	8,468	+20.2	115,465	96,574
ronic and other													
trical equipment	32,737	33,348	32,870	-1.8	+1.5	+5.6	32,041	37,676	34,517	28,781	+11.3	346,543	324,978
ctrical transmission and													
stribution equipment and													
dustrial apparatus	3,537	3,647	3,876	-3.0	-5.9	+4.1	3,343	3,641	4,221	3,399	-1.6	40,076	37,672
ctric lighting and													
iring equipment	2,145	2,270	2,082	-5.5	+9.0	-6.4	2,253	2,245	2,340	2,295	-1.8	24,447	24,221
mmunications equipment	7,847	7,752	7,940	+1.2	-2.4	+17.1	7,927	7,388	9,120	6,296	+25.9	78,956	70,168
ctronic components	13,503	14,157	13,655	-4.6	+3.7	+3.1	12,228	18,111	12,937	11,322	+8.0	144,594	134,296
portation equipment	44,886	44,870	45,101	0.0	-0.5	-3.5	46,333	48,013	47,885	54,127	-14.4	478,764	464,366
rcraft, missiles,													
pace vehicles, and parts.	9,944	9,637	9,109	+3.2	+5.8	-30.5	10,322	8,842	9,924	20,729	-50.2	112,347	111,763
ipbuilding and tanks	780	1,936	2,107	-59.7	-8.1	306.0	818	1,939	2,217	851	-3.9	10,776	7,591
ments and related products	13,968	13,642	14,403	+2.4	-5.3	+7.6	13,967	13,397	15,653	14,083	-0.8	150,502	149,390
ırch and navigation equipment	2,856	2,743	3,044	+4.1	-9.9	+11.0	2,929	2,412	3,407	2,853	+2.7	30,345	29,920
asuring and controlling devices	4,113	3,930	3,942	+4.7	-0.3	+2.4	4,135	3,841	4,324	4,228	-2.2	43,773	45,904
dical instruments and supplies	4,525	4,564	4,867	-0.9	-6.2	+12.0	4,357	4,701	5,150	4,407	-1.1	50,461	46,894
her durable goods	19,650	19,684	19,551	-0.2	+0.7	+0.1	19,447	20,931	20,962	19,049	+2.1	215,575	211,662
urable goods industries	146,571	146,140	147,605	+0.3	-1.0	+0.1	146,898	150,367	154,587	149,364	-1.7	1,630,670	1,626,309
h unfilled orders	37,004	36,598	36,856	+1.1	-0.7	-1.3	37,941	37,192	38,416	38,198	-0.7	410,877	401,935

reliminary. [r] Revised.

hipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar se from the prior month to the current month.

te : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ; on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), ıfacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent cha
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct	Aug.-Sept	Nov 1998[p]	Oct 1998[r]	Sept. 1998	Nov. 1997	N 98.
All manufacturing industries	520,030	524,796	530,266	-0.9	-1.0	0.0	515,723	522,765	525,390	533,329	-
Manufacturing industries without defense capital goods	424,724	428,459	433,214	-0.9	-1.1	-0.1	422,556	428,591	429,948	433,810	-
Durable goods industries	495,869	500,759	506,054	-1.0	-1.0	0.0	492,300	499,520	501,112	507,877	-
Stone, clay, and glass products	6,228	6,290	6,401	-1.0	-1.7	-0.8	6,057	6,178	6,415	6,173	-
Primary metals	29,664	29,388	30,635	+0.9	-4.1	-3.3	28,045	27,850	29,662	33,445	-1
Blast furnaces, steel mills	11,475	11,437	12,254	+0.3	-6.7	-4.4	10,677	10,633	11,686	13,742	-2
Iron and steel foundries	5,599	5,541	5,527	+1.0	+0.3	-2.2	5,382	5,340	5,373	5,249	+
Nonferrous and other primary metals	12,590	12,410	12,854	+1.5	-3.5	-2.6	11,986	11,877	12,603	14,454	-1
Fabricated metal products	26,087	26,137	26,218	-0.2	-0.3	-1.1	25,563	25,944	26,247	26,339	-
Industrial machinery and equipment	73,098	74,122	75,630	-1.4	-2.0	+3.0	73,727	74,156	74,847	75,001	-
Engines and turbines	16,631	16,763	16,385	-0.8	+2.3	+24.1	17,394	17,325	16,581	12,851	+3
Construction, mining and material handling equipment	9,738	9,968	10,316	-2.3	-3.4	-3.3	9,474	9,689	9,894	9,967	-
Metalworking machinery	6,759	6,894	7,135	-2.0	-3.4	-2.7	6,759	6,894	7,135	7,581	-1
Computer and office equipment	7,603	7,745	8,001	-1.8	-3.2	0.0	7,858	7,885	7,996	8,351	-
Electronic and other electrical equipment	60,386	60,378	59,249	0.0	+1.9	+0.8	60,706	62,795	57,546	55,596	+
Electrical transmission and distribution equipment and industrial apparatus	6,373	6,435	6,396	-1.0	+0.6	-0.7	6,249	6,374	6,255	6,400	-
Electric lighting and wiring equipment	4,912	5,006	4,986	-1.9	+0.4	-3.9	4,912	5,006	4,986	4,882	+
Communications equipment	17,781	17,510	17,120	+1.5	+2.3	+1.8	17,781	17,500	17,107	14,792	+2
Electronic components	25,230	25,526	25,007	-1.2	+2.1	+1.5	25,825	27,937	23,475	23,401	+1
Transportation equipment	244,804	248,247	251,394	-1.4	-1.3	-0.6	242,986	246,459	250,126	253,617	
Aircraft, missiles, space vehicles, and parts	208,616	211,882	215,042	-1.5	-1.5	-1.3	206,968	210,264	213,757	219,168	
Shipbuilding and tanks	17,967	18,465	17,985	-2.7	+2.7	+6.1	18,015	18,511	18,047	17,424	+
Instruments and related products	47,422	48,004	48,402	-1.2	-0.8	+0.2	46,986	47,651	47,952	49,084	
Search and navigation equipment	26,582	26,982	27,421	-1.5	-1.6	0.0	26,091	26,447	27,109	28,377	
Measuring and controlling devices	10,087	10,214	10,211	-1.2	0.0	-0.7	10,087	10,214	10,211	10,618	
Medical instruments and supplies	9,727	9,841	9,798	-1.2	+0.4	+2.1	9,850	10,047	9,655	8,436	+
All other durable goods	8,180	8,193	8,125	-0.2	+0.8	+0.7	8,230	8,487	8,317	8,622	
Nondurable goods industries	24,161	24,037	24,212	+0.5	-0.7	-0.1	23,423	23,245	24,278	25,452	

[p] Preliminary [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Nov. 1997	Nov. 98/97
ll manufacturing industries	471,720	471,031	468,552	+0.1	+0.5	0.0	471,839	471,645	467,407	458,113	+3.0
ufacturing industries											
h unfilled orders	316,010	316,459	315,009	-0.1	+0.5	0.0	315,486	316,425	314,283	304,664	+3.6
hout defense capital goods	452,530	451,954	449,779	+0.1	+0.5	+0.1	452,772	452,403	448,400	441,532	+2.5
able goods industries	298,463	298,561	296,757	0.0	+0.6	-0.1	298,757	298,510	295,733	288,424	+3.6
ith unfilled orders	274,367	274,859	273,277	-0.2	+0.6	-0.1	274,436	275,050	272,462	264,934	+3.6
e, clay, and glass products	9,308	9,235	9,237	+0.8	0.0	+0.8	8,985	8,894	9,049	8,710	+3.2
ary metals	24,849	24,825	24,898	+0.1	-0.3	+0.2	24,750	24,694	24,912	24,371	+1.6
ast furnaces, steel mills	12,199	12,312	12,398	-0.9	-0.7	-0.3	12,285	12,350	12,464	11,831	+3.8
n and steel foundries	1,582	1,576	1,570	+0.4	+0.4	-0.8	1,541	1,539	1,540	1,520	+1.4
nferrous and other primary											
metals	11,068	10,937	10,930	+1.2	+0.1	+0.8	10,924	10,805	10,908	11,020	-0.9
icated metal products	31,209	31,093	31,050	+0.4	+0.1	+0.3	30,818	30,767	30,831	29,163	+5.7
strial machinery and equipment	60,968	60,811	60,938	+0.3	-0.2	0.0	61,473	60,710	60,425	60,754	+1.2
gines and turbines	4,048	3,959	4,022	+2.2	-1.6	-2.7	4,261	4,067	4,055	4,356	-2.2
rm and garden machinery	3,898	3,847	3,786	+1.3	+1.6	+1.4	3,948	3,620	3,546	3,488	+13.2
nstruction, mining and											
aterial handling equipment	9,016	8,901	8,807	+1.3	+1.1	+0.6	8,990	8,832	8,694	7,998	+12.4
etalworking machinery	7,780	7,829	7,953	-0.6	-1.6	+0.4	7,694	7,920	8,115	7,249	+6.1
mputer and office equipment	9,031	9,148	9,316	-1.3	-1.8	-1.6	9,336	9,230	9,073	11,251	-17.0
ronic and other											
trical equipment	40,380	40,589	40,172	-0.5	+1.0	-0.9	40,292	40,656	39,852	40,240	+0.1
ctrical transmission and											
stribution equipment and											
dustrial apparatus	5,357	5,331	5,261	+0.5	+1.3	-0.3	5,424	5,353	5,208	5,683	-4.6
usehold appliances	2,442	2,440	2,401	+0.1	+1.6	+1.0	2,369	2,375	2,285	2,306	+2.7
ctric lighting and											
iring equipment	3,523	3,538	3,501	-0.4	+1.1	+0.4	3,527	3,570	3,454	3,391	+4.0
usehold audio and											
deo equipment	1,088	1,077	1,055	+1.0	+2.1	+4.0	1,047	1,085	1,111	983	+6.5
nmunications equipment	10,197	10,388	10,362	-1.8	+0.3	-0.2	10,270	10,469	10,309	10,730	-4.3
ctronic components	14,114	14,169	13,986	-0.4	+1.3	-2.9	14,096	14,177	13,871	13,722	+2.7
portation equipment	76,555	76,999	75,702	-0.6	+1.7	-0.1	77,299	77,643	75,935	71,881	+7.5
tor vehicles and parts	17,200	16,755	16,701	+2.7	+0.3	+1.2	17,301	16,765	16,889	16,191	+6.9
craft, missiles,											
ace vehicles, and parts	53,699	54,591	53,441	-1.6	+2.2	-0.2	54,356	55,267	53,512	50,492	+7.7
pbuilding and tanks	1,759	1,811	1,845	-2.9	-1.8	+0.1	1,757	1,786	1,843	1,594	+10.2
ments and related products	26,798	26,667	26,577	+0.5	+0.3	-0.3	26,859	26,759	26,545	26,273	+2.2
rch and navigation equipment	6,764	6,772	6,705	-0.1	+1.0	-0.2	6,675	6,708	6,674	6,364	+4.9
asuring and controlling devices	7,993	8,007	8,019	-0.2	-0.1	-0.9	8,000	7,982	7,975	8,092	-1.1
dical instruments and supplies	8,639	8,502	8,524	+1.6	-0.3	+0.2	8,751	8,585	8,470	8,591	+1.9
tographic goods	2,660	2,654	2,625	+0.2	+1.1	-0.2	2,686	2,751	2,734	2,559	+5.0
her durable goods	28,396	28,342	28,183	+0.2	+0.6	+0.7	28,281	28,387	28,184	27,032	+4.6
rable goods industries	173,257	172,470	171,795	+0.5	+0.4	+0.2	173,082	173,135	171,674	169,689	+2.0
h unfilled orders	41,643	41,600	41,732	+0.1	-0.3	+0.5	41,050	41,375	41,821	39,730	+3.3
and kindred products	37,384	37,459	37,112	-0.2	+0.9	0.0	38,933	39,453	37,919	38,562	+1.0
at products	4,017	4,042	4,031	-0.6	+0.3	-0.2	3,978	4,038	3,976	3,929	+1.2
ry products	3,818	3,797	3,774	+0.6	+0.6	0.0	3,698	3,803	3,745	3,381	+9.4
erages	8,336	8,206	8,140	+1.6	+0.8	-0.5	8,522	8,450	8,293	8,134	+4.8
other foods, except fats and oils	19,293	19,371	19,257	-0.4	+0.6	-0.2	20,700	21,052	20,160	21,024	-1.5
co products	5,945	6,020	5,783	-1.2	+4.1	+4.0	6,139	6,154	5,577	6,018	+2.0
e mill products	10,204	10,286	10,307	-0.8	-0.2	+0.6	9,969	10,095	10,116	9,927	+0.4
adwoven fabrics and											
her textiles	6,365	6,410	6,410	-0.7	0.0	+0.6	6,283	6,307	6,261	6,205	+1.3
and allied products	16,481	16,511	16,527	-0.2	-0.1	-0.7	16,249	16,260	16,344	15,845	+2.5
, paper, and											
perboard mill products	6,746	6,766	6,733	-0.3	+0.5	+0.3	6,686	6,667	6,666	6,455	+3.6
erboard containers and boxes	4,188	4,210	4,235	-0.5	-0.6	-2.5	4,077	4,108	4,198	3,890	+4.8
cellaneous converted											
per products	5,547	5,535	5,559	+0.2	-0.4	-0.4	5,486	5,485	5,480	5,500	-0.3
icals and allied products	46,872	46,356	46,313	+1.1	+0.1	-0.5	46,486	45,792	45,777	43,922	+5.8
strial chemicals	19,896	19,910	20,211	-0.1	-1.5	-0.6	19,647	19,632	20,148	20,114	-2.3
gs, soaps, and toiletries	21,217	20,656	20,381	+2.7	+1.3	-0.6	21,203	20,566	20,203	18,614	+13.9
eum and coal products	10,967	10,832	10,770	+1.2	+0.6	+0.1	11,077	10,939	10,867	12,585	-12.0
r and plastics products	16,855	16,678	16,607	+1.1	+0.4	-0.6	16,543	16,278	16,270	16,161	+2.4
her nondurable goods	28,549	28,328	28,376	+0.8	-0.2	+1.4	27,686	28,164	28,804	26,669	+3.8

reliminary. [r] Revised.

: note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Nov. 1997	Nov. 98/97	1998[p]	19[illegible]
SHIPMENTS													
All manufacturing industries	341,370	340,133	340,481	+0.4	-0.1	+1.2	341,714	350,525	364,324	331,406	+3.1	3,710,500	3,597[illegible]
Market categories :													
Automotive equipment	15,213	15,238	15,157	-0.2	+0.5	+2.6	15,775	17,281	16,275	14,690	+7.4	161,153	156[illegible]
Home goods and apparel	18,590	18,496	18,656	+0.5	-0.9	-1.4	19,395	20,595	21,064	19,774	-1.9	209,646	203[illegible]
Consumer staples	69,343	68,901	69,893	+0.6	-1.4	+0.8	70,224	71,153	73,983	69,340	+1.3	759,951	740[illegible]
Machinery and equipment	67,027	66,717	66,513	+0.5	+0.3	+4.2	66,044	66,124	73,262	58,716	+12.5	702,068	642[illegible]
Business supplies	25,382	25,444	25,416	-0.2	+0.1	-0.1	25,920	26,308	26,584	25,892	+0.1	280,489	276[illegible]
Construction materials and supplies	21,838	21,719	21,705	+0.5	+0.1	+0.2	21,444	22,944	23,183	20,588	+4.2	239,551	233[illegible]
Defense products	7,200	7,269	6,874	-0.9	+5.7	-1.4	7,320	7,184	7,368	7,268	+0.7	75,482	72[illegible]
Other materials, supplies and and intermediate products	116,777	116,349	116,267	+0.4	+0.1	+0.7	115,592	118,936	122,605	115,138	+0.4	1,282,160	1,270[illegible]
Durable goods industries :													
Nondefense capital goods [3]	54,336	53,870	53,419	+0.9	+0.8	+4.3	52,967	51,412	59,943	46,160	+14.7	561,188	505[illegible]
Excluding aircraft and parts	44,873	44,985	45,021	-0.2	-0.1	+3.0	43,261	43,008	50,929	39,515	+9.5	476,185	434[illegible]
Defense capital goods [4]	6,904	7,068	6,606	-2.3	+7.0	-1.2	7,104	7,003	7,093	6,981	+1.8	72,038	68[illegible]
Durables excluding capital goods	133,683	132,880	132,817	+0.6	0.0	+1.5	134,923	140,710	142,000	128,752	+4.8	1,444,803	1,397[illegible]
Miscellaneous series :													
Producers' durable equipment	127,261	126,474	126,031	+0.6	+0.4	+3.2	127,347	129,912	137,399	116,297	+9.5	1,345,516	1,26[illegible]
Household durable goods	9,345	9,244	9,231	+1.1	+0.1	-0.2	9,881	10,080	10,549	9,726	+1.6	102,816	9[illegible]
Information technology industries	25,790	25,285	25,415	+2.0	-0.5	+3.2	25,067	23,285	30,210	21,977	+14.1	265,615	24[illegible]
Health care equipment and products	12,373	11,879	12,382	+4.2	-4.1	+4.1	12,243	11,836	13,782	11,088	+10.4	130,436	12[illegible]
NEW ORDERS													
All manufacturing industries	336,604	334,663	340,388	+0.6	-1.7	+0.8	334,672	347,900	359,884	340,579	-1.7	3,694,665	3,62[illegible]
Market categories :													
Automotive equipment	15,231	15,241	15,223	-0.1	+0.1	+3.3	15,757	17,276	16,288	14,592	+8.0	161,007	15[illegible]
Home goods and apparel	18,857	18,786	18,792	+0.4	0.0	-1.8	19,335	20,725	21,051	19,815	-2.4	209,672	20[illegible]
Consumer staples	69,506	68,776	69,884	+1.1	-1.6	+0.8	70,390	70,795	73,786	69,167	+1.8	760,168	74[illegible]
Machinery and equipment	64,289	63,403	67,815	+1.4	-6.5	+0.8	63,441	63,425	73,983	70,353	-9.8	703,411	66[illegible]
Business supplies	25,550	25,291	25,434	+1.0	-0.6	+0.2	26,059	25,897	26,378	25,797	+1.0	280,779	27[illegible]
Construction materials and supplies	21,731	21,655	21,391	+0.4	+1.2	-0.6	21,200	22,690	22,793	20,451	+3.7	239,088	23[illegible]
Defense products	6,030	6,662	7,467	-9.5	-10.8	+39.8	6,254	6,119	7,945	6,439	-2.9	66,442	6[illegible]
Other materials, supplies and and intermediate products	115,410	114,849	114,382	+0.5	+0.4	-0.6	112,236	120,973	117,660	113,965	-1.5	1,274,098	1,28[illegible]
Durable goods industries :													
Nondefense capital goods [3]	50,973	50,138	53,540	+1.7	-6.4	-3.3	50,055	48,453	60,062	57,652	-13.2	560,001	52[illegible]
Excluding aircraft and parts	44,180	43,030	47,663	+2.7	-9.7	+6.4	43,019	41,826	53,569	40,397	+6.5	478,806	44[illegible]
Defense capital goods [4]	5,873	6,353	7,042	-7.6	-9.8	+42.8	6,097	5,735	7,529	6,124	-0.4	62,989	5[illegible]
Durables excluding capital goods	133,187	132,032	132,201	+0.9	-0.1	+1.7	131,622	143,345	137,706	127,439	+3.3	1,441,005	1,41[illegible]
Miscellaneous series :													
Producers' durable equipment	125,003	123,187	128,493	+1.5	-4.1	+3.1	124,690	127,504	139,041	127,855	-2.5	1,346,266	1,28[illegible]
Household durable goods	9,380	9,387	9,285	-0.1	+1.1	-1.1	9,663	10,266	10,576	9,763	-1.0	102,443	9[illegible]
Information technology industries	25,353	25,062	25,660	+1.2	-2.3	+5.4	24,721	23,198	30,287	21,948	+12.6	267,266	24[illegible]
Health care equipment and products	12,260	11,922	12,581	+2.8	-5.2	+5.8	12,046	12,228	13,797	11,246	+7.1	131,864	12[illegible]

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, a[illegible] handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating [illegible] industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, [illegible] and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; [illegible] and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Nov. 1997	Nov. 98/97
UNFILLED ORDERS											
l manufacturing industries	520,030	524,796	530,266	-0.9	-1.0	0.0	515,723	522,765	525,390	533,329	-3.3
ket categories :											
utomotive equipment	2,401	2,382	2,380	+0.8	+0.1	+2.9	2,340	2,358	2,364	2,456	-4.7
ome goods and apparel	8,912	8,646	8,356	+3.1	+3.5	+1.7	8,583	8,643	8,513	8,966	-4.3
onsumer staples	2,309	2,146	2,271	+7.6	-5.5	-0.4	2,266	2,100	2,458	2,044	+10.9
lachinery and equipment	244,181	246,919	250,233	-1.1	-1.3	+0.5	244,084	246,688	249,387	245,781	-0.7
usiness supplies	6,901	6,733	6,886	+2.5	-2.2	+0.3	6,723	6,584	6,994	6,650	+1.1
onstruction materials and supplies	17,511	17,618	17,682	-0.6	-0.4	-1.7	17,163	17,408	17,661	17,480	-1.8
efense products	90,449	91,620	92,227	-1.3	-0.7	+0.6	88,505	89,571	90,636	94,975	-6.8
ther materials, supplies and and intermediate products	147,366	148,732	150,231	-0.9	-1.0	-1.2	146,059	149,413	147,377	154,977	-5.8
ıble goods industries :											
ondefense capital goods [3]	259,609	262,972	266,704	-1.3	-1.4	0.0	260,029	262,941	265,900	264,284	-1.6
Excluding aircraft and parts	105,373	106,066	108,021	-0.7	-1.8	+2.5	105,793	106,035	107,217	104,010	+1.7
efense capital goods [4]	95,306	96,337	97,052	-1.1	-0.7	+0.5	93,167	94,174	95,442	99,519	-6.4
ırables excluding capital goods	140,954	141,450	142,298	-0.4	-0.6	-0.4	139,104	142,405	139,770	144,074	-3.4
ellaneous series :											
oducers' durable equipment	284,182	286,440	289,727	-0.8	-1.1	+0.9	283,864	286,521	288,929	285,969	-0.7
ousehold durable goods	5,465	5,430	5,287	+0.6	+2.7	+1.0	5,410	5,628	5,442	6,199	-12.7
formation technology industries	39,400	39,837	40,060	-1.1	-0.6	+0.6	39,621	39,967	40,054	38,783	+2.2
alth care equipment nd products	9,768	9,881	9,838	-1.1	+0.4	+2.1	9,892	10,089	9,697	8,481	+16.6
TOTAL INVENTORIES											
manufacturing industries	471,720	471,031	468,552	+0.1	+0.5	0.0	471,839	471,645	467,407	458,113	+3.0
et categories :											
tomotive equipment	8,577	8,364	8,287	+2.5	+0.9	-0.5	8,568	8,319	8,332	8,063	+6.3
me goods and apparel	32,584	32,345	32,107	+0.7	+0.7	+1.2	31,330	31,774	32,046	29,550	+6.0
nsumer staples	74,002	73,416	72,651	+0.8	+1.1	+0.1	75,522	75,293	73,120	73,342	+3.0
achinery and equipment	120,779	121,725	120,647	-0.8	+0.9	-0.2	122,022	122,161	119,884	119,567	+2.1
siness supplies	28,404	28,315	28,474	+0.3	-0.6	+1.2	28,293	28,445	28,721	27,444	+3.1
nstruction materials nd supplies	29,038	28,973	28,820	+0.2	+0.5	+0.2	28,666	28,663	28,578	27,954	+2.5
fense products	18,803	18,764	18,499	+0.2	+1.4	-1.3	18,664	18,898	18,677	16,452	+13.4
ıer materials, supplies and nd intermediate products	159,533	159,129	159,067	+0.3	0.0	-0.1	158,774	158,092	158,049	155,741	+1.9
ıle goods industries :											
ndefense capital goods [3]	112,655	113,708	112,839	-0.9	+0.8	-0.1	113,901	114,349	112,209	112,712	+1.1
xcluding aircraft and parts	71,823	71,729	71,709	+0.1	0.0	-0.3	72,325	71,880	71,233	72,704	-0.5
fense capital goods [4]	19,190	19,077	18,773	+0.6	+1.6	-1.2	19,067	19,242	19,007	16,581	+15.0
rables excluding capital goods	166,618	165,776	165,145	+0.5	+0.4	+0.1	165,789	164,919	164,517	159,131	+4.2
ellaneous series :											
ıducers' durable equipment	193,767	194,481	193,253	-0.4	+0.6	0.0	194,506	194,599	192,300	189,148	+2.8
usehold durable goods	16,677	16,556	16,393	+0.7	+1.0	+1.4	16,287	16,429	16,350	14,996	+8.6
ormation technology industries	32,408	32,672	32,769	-0.8	-0.3	-0.7	32,728	32,841	32,468	34,809	-6.0
alth care equipment nd products	20,128	19,692	19,564	+2.2	+0.7	-0.2	20,231	19,723	19,413	18,689	+8.3

e footnotes at end of table 5.

e note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Per cha No 98/
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Nov. 1997	
MATERIALS AND SUPPLIES											
All manufacturing industries	156,042	156,036	156,129	0.0	-0.1	+0.3	155,701	156,447	156,325	150,649	+
Durable goods industries	93,187	93,345	93,291	-0.2	+0.1	+0.3	93,533	93,872	93,880	90,500	+
Stone, clay, and glass products	3,141	3,111	3,137	+1.0	-0.8	+1.8	3,138	3,113	3,157	2,993	+
Primary metals	7,935	7,933	8,075	0.0	-1.8	+0.7	8,093	8,102	8,193	7,978	+
Fabricated metal products	10,699	10,746	10,848	-0.4	-0.9	+1.6	10,617	10,711	10,884	10,126	+
Industrial machinery and equipment	19,629	19,581	19,741	+0.2	-0.8	+0.1	19,753	19,621	19,933	19,592	+
Electronic and other electrical equipment	15,757	15,921	15,607	-1.0	+2.0	-0.8	15,705	16,039	15,612	15,413	+
Transportation equipment	15,638	15,603	15,596	+0.2	0.0	+0.3	15,605	15,482	15,596	14,726	+
Instruments and related products	9,299	9,281	9,251	+0.2	+0.3	-0.5	9,198	9,257	9,267	8,767	+
Lumber, furniture and miscellaneous durable goods	11,089	11,169	11,036	-0.7	+1.2	+0.6	11,424	11,547	11,238	10,905	+
Nondurable goods industries	62,855	62,691	62,838	+0.3	-0.2	+0.3	62,168	62,575	62,445	60,149	+
Food and kindred products	11,382	11,406	11,495	-0.2	-0.8	+0.3	11,524	11,713	11,244	10,937	+
Tobacco products	5,143	5,228	5,019	-1.6	+4.2	+4.1	5,049	5,184	4,857	4,988	-
Textile mill products	2,912	2,957	2,989	-1.5	-1.1	+0.3	2,811	2,863	2,922	2,881	
Paper and allied products	7,964	7,992	8,059	-0.4	-0.8	-1.3	7,898	7,970	8,042	7,691	-
Chemicals and allied products	15,465	15,535	15,574	-0.5	-0.3	+0.3	15,321	15,481	15,605	14,647	-
Petroleum and coal products	3,570	3,243	3,266	+10.1	-0.7	-1.6	3,515	3,241	3,240	3,709	
Rubber and plastics products	6,993	6,903	6,833	+1.3	+1.0	-0.1	6,902	6,798	6,807	6,422	-
Apparel, printing and publishing and leather goods	9,426	9,427	9,603	0.0	-1.8	+0.9	9,148	9,325	9,728	8,874	-
WORK IN PROCESS											
All manufacturing industries	152,728	152,848	151,227	-0.1	+1.1	-0.6	154,156	154,277	151,584	149,075	
Durable goods industries	122,838	123,446	122,063	-0.5	+1.1	-0.7	123,545	123,982	122,089	118,848	
Stone, clay, and glass products	1,358	1,356	1,338	+0.1	+1.3	-1.4	1,255	1,282	1,306	1,202	
Primary metals	8,682	8,604	8,574	+0.9	+0.3	-0.5	8,544	8,514	8,582	8,609	
Fabricated metal products	9,261	9,135	9,005	+1.4	+1.4	-0.2	9,274	9,159	9,082	8,669	
Industrial machinery and equipment	22,832	22,828	22,794	0.0	+0.1	-1.4	23,139	22,946	22,802	22,734	
Electronic and other electrical equipment	13,951	14,112	14,106	-1.1	0.0	-1.2	13,941	14,093	14,017	14,080	
Transportation equipment	51,392	52,225	51,113	-1.6	+2.2	-0.3	52,111	52,895	51,213	48,181	
Instruments and related products	10,035	9,939	9,838	+1.0	+1.0	-1.0	10,058	9,867	9,749	10,078	
Lumber, furniture and miscellaneous durable goods	5,327	5,247	5,295	+1.5	-0.9	+0.2	5,223	5,226	5,338	5,295	
Nondurable goods industries	29,890	29,402	29,164	+1.7	+0.8	-0.4	30,611	30,295	29,495	30,227	
Food and kindred products	5,690	5,588	5,425	+1.8	+3.0	-2.3	6,360	6,352	5,575	6,628	
Tobacco products	93	92	102	+1.1	-9.8	-5.6	105	106	107	107	
Textile mill products	2,619	2,644	2,650	-0.9	-0.2	-0.7	2,610	2,650	2,660	2,713	
Paper and allied products	1,556	1,551	1,566	r0.3	-1.0	-2.7	1,498	1,485	1,546	1,552	
Chemicals and allied products	9,200	8,773	8,621	+4.9	+1.8	-0.7	9,202	8,719	8,584	8,088	+
Petroleum and coal products	2,488	2,627	2,631	-5.3	-0.2	+6.5	2,505	2,681	2,663	2,875	-
Rubber and plastics products	2,235	2,195	2,210	+1.8	-0.7	-0.8	2,270	2,216	2,205	2,243	
Apparel, printing and publishing and leather goods	6,009	5,932	5,959	+1.3	-0.5	0.0	6,061	6,086	6,155	6,021	
FINISHED GOODS											
All manufacturing industries	162,950	162,147	161,196	+0.5	+0.6	+0.3	161,982	160,921	159,498	158,389	
Durable goods industries	82,438	81,770	81,403	+0.8	+0.5	+0.5	81,679	80,656	79,764	79,076	
Stone, clay, and glass products	4,809	4,768	4,762	+0.9	+0.1	+0.8	4,592	4,499	4,586	4,515	
Primary metals	8,232	8,288	8,249	-0.7	+0.5	+0.2	8,113	8,078	8,137	7,784	
Fabricated metal products	11,249	11,212	11,197	+0.3	+0.1	-0.5	10,927	10,897	10,865	10,368	
Industrial machinery and equipment	18,507	18,402	18,403	+0.6	0.0	+1.5	18,581	18,143	17,690	18,428	
Electronic and other electrical equipment	10,672	10,556	10,459	+1.1	+0.9	-0.6	10,646	10,524	10,223	10,747	
Transportation equipment	9,525	9,171	8,993	+3.9	+2.0	-0.1	9,583	9,266	9,126	8,974	
Instruments and related products	7,464	7,447	7,488	+0.2	-0.5	+1.0	7,603	7,635	7,529	7,428	
Lumber, furniture and miscellaneous durable goods	11,980	11,926	11,852	+0.5	+0.6	+0.9	11,634	11,614	11,608	10,832	
Nondurable goods industries	80,512	80,377	79,793	+0.2	+0.7	+0.2	80,303	80,265	79,734	79,313	
Food and kindred products	20,312	20,465	20,192	-0.7	+1.4	+0.5	21,049	21,388	21,100	20,997	
Tobacco products	709	700	662	+1.3	+5.7	+4.3	985	864	613	923	
Textile mill products	4,673	4,685	4,668	-0.3	+0.4	+1.6	4,548	4,582	4,534	4,333	
Paper and allied products	6,961	6,968	6,902	-0.1	+1.0	+0.4	6,853	6,805	6,756	6,602	
Chemicals and allied products	22,207	22,048	22,118	+0.7	-0.3	-0.9	21,963	21,592	21,588	21,187	
Petroleum and coal products	4,909	4,962	4,873	-1.1	+1.8	-1.9	5,057	5,017	4,964	6,001	
Rubber and plastics products	7,627	7,580	7,564	+0.6	+0.2	-0.9	7,371	7,264	7,258	7,496	
Apparel, printing and publishing and leather goods	13,114	12,969	12,814	+1.1	+1.2	+2.5	12,477	12,753	12,921	11,774	

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Aug. 1998	Nov. 1998[p]	Oct. 1998[r]	Sept. 1998	Aug. 1998
ll manufacturing industries	1.38	1.38	1.38	1.39	2.62	2.66	2.70	2.74
able goods industries	1.53	1.54	1.54	1.57	3.06	3.12	3.17	3.24
one, clay, and glass products	1.13	1.13	1.14	1.14	0.79	0.81	0.83	0.84
imary metals	1.74	1.70	1.67	1.65	2.07	2.01	2.05	2.10
bricated metal products	1.53	1.54	1.53	1.54	1.36	1.37	1.38	1.40
dustrial machinery and equipment	1.66	1.64	1.66	1.66	2.08	2.10	2.17	2.11
ectronic and other electrical equipment	1.23	1.26	1.24	1.30	1.85	1.87	1.83	1.88
ansportation equipment	1.58	1.60	1.62	1.71	8.80	9.09	9.68	10.35
struments and related products	1.84	1.90	1.86	1.94	3.26	3.42	3.39	3.51
durable goods industries	1.18	1.18	1.16	1.16	0.66	0.65	0.66	0.65
od and kindred products	0.90	0.91	0.90	0.90	(X)	(X)	(X)	(X)
bacco products	1.77	1.74	1.64	1.60	(X)	(X)	(X)	(X)
xtile mill products	1.57	1.57	1.59	1.53	(NA)	(NA)	(NA)	(NA)
per and allied products	1.22	1.23	1.22	1.21	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.45	1.45	1.42	1.45	(X)	(X)	(X)	(X)
troleum and coal products	0.99	0.94	0.91	0.91	(X)	(X)	(X)	(X)
bber and plastics products	1.28	1.26	1.25	1.27	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1998	Nov.[2] 1993-1997	Nov. 1997-Oct. 1998	Nov.[1] 1998	Nov.[2] 1993-1997	Nov. 1997-Oct. 1998	Nov.[1] 1998	Nov.[2] 1993-1997	Nov. 1997-Oct. 1998	Nov.[1] 1998	Nov.[2] 1993-1997	Nov. 1997-Oct. 1998
manufacturing industries	(X)	0.2	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.0	0.0
ble goods industries	0.0	0.3	0.3	-0.2	0.2	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.6	0.4	(X)	0.5	0.6	(X)	0.5	0.4	(X)	0.2	0.2
nary metals	-0.7	0.5	0.3	-0.7	0.5	0.7	-0.1	0.2	0.2	(X)	0.1	0.1
ricated metal products	(X)	0.5	0.2	(X)	0.7	0.4	(X)	0.3	0.2	(X)	0.1	0.1
istrial machinery and equipment	0.0	0.8	0.3	-0.5	1.0	0.3	-0.3	0.2	0.1	(X)	0.1	0.1
ctronic and other ectrical equipment	-0.1	0.7	0.6	0.0	0.5	0.9	0.0	0.5	0.5	(X)	0.1	0.2
nsportation equipment	-0.3	0.4	0.7	-0.4	0.5	0.9	0.0	0.1	0.1	(X)	0.2	0.2
ruments and related products	(X)	0.3	0.5	(X)	1.3	1.2	(X)	0.3	0.2	(X)	0.2	0.1
urable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.1	0.0
d and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
acco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
tile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
er and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
micals and allied products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
oleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
ber and plastics products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
al goods industries :												
idefense	-0.3	0.5	0.4	-0.5	0.7	0.4	0.0	0.2	0.1	(X)	0.1	0.1
ense	-0.1	0.7	0.6	-2.0	2.0	1.7	-0.1	0.1	0.1	(X)	0.2	0.2

X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The thly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ble goods industries are shown in the advance report for the month.

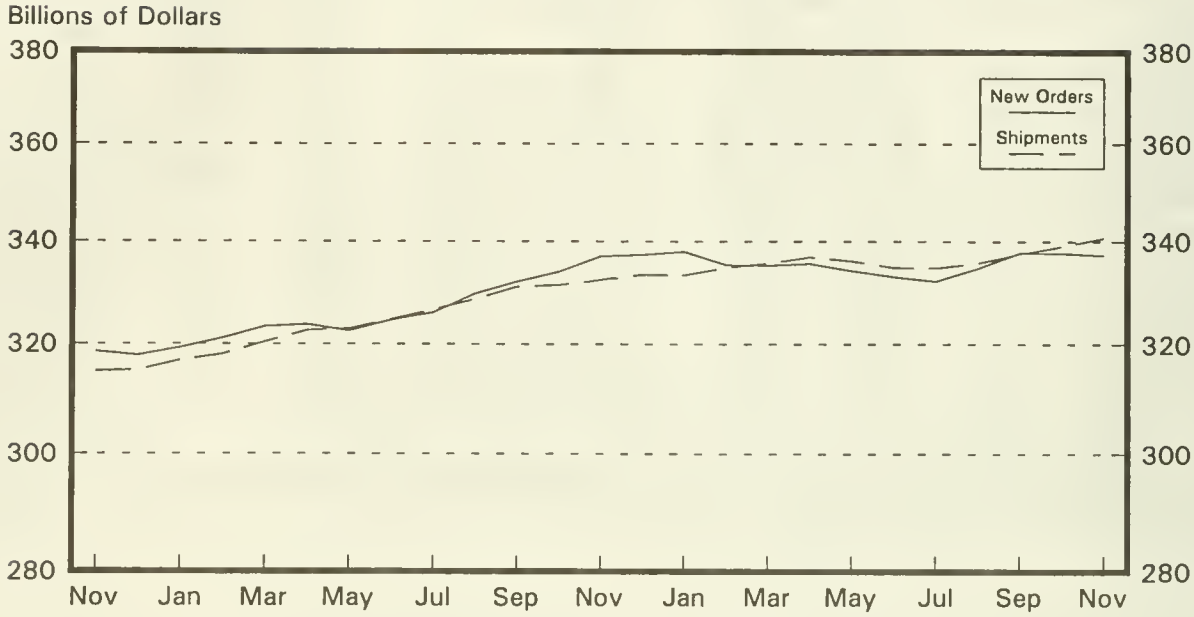
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

ee note at end of table 2 relating to survey error and revision.

Total Manufacturing

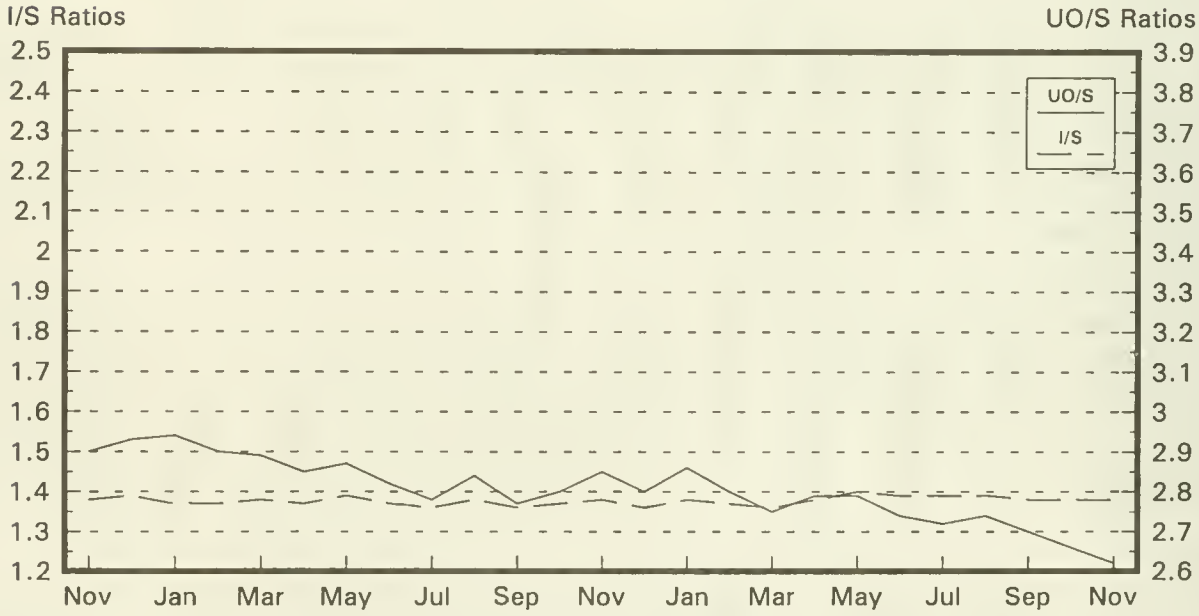
New Orders and Shipments
Three Month Moving Averages



Nov. 1996 - Nov. 1998

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

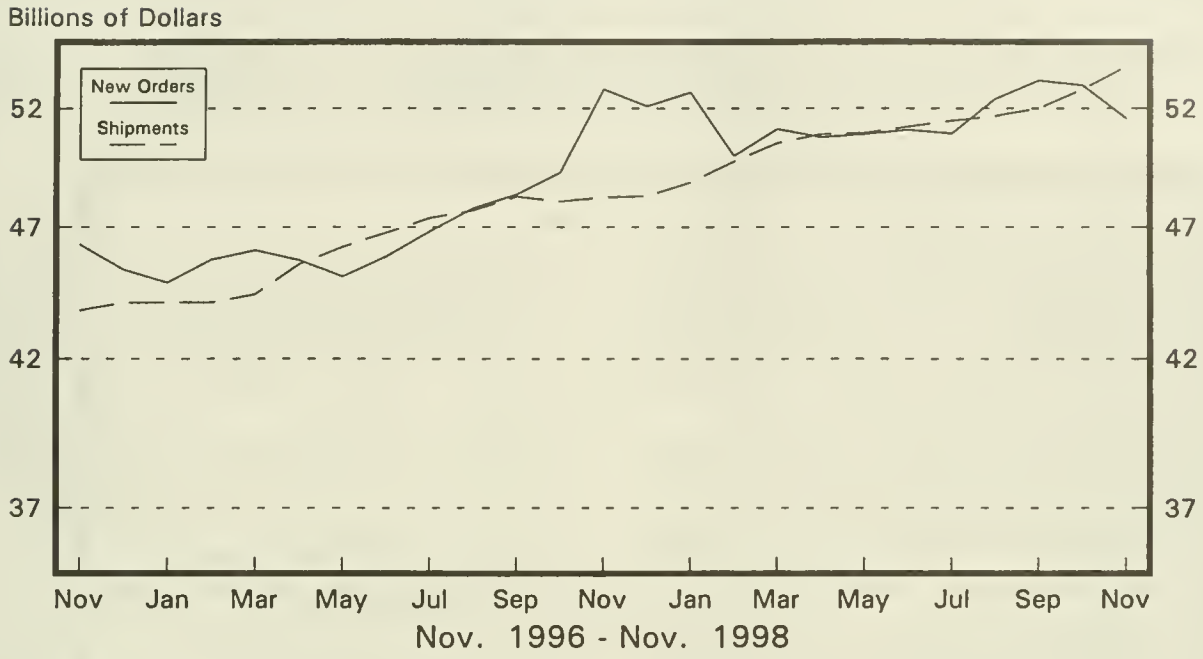


Nov. 1996 - Nov. 1998

Note: All Charts based on seasonally adjusted current dollars.

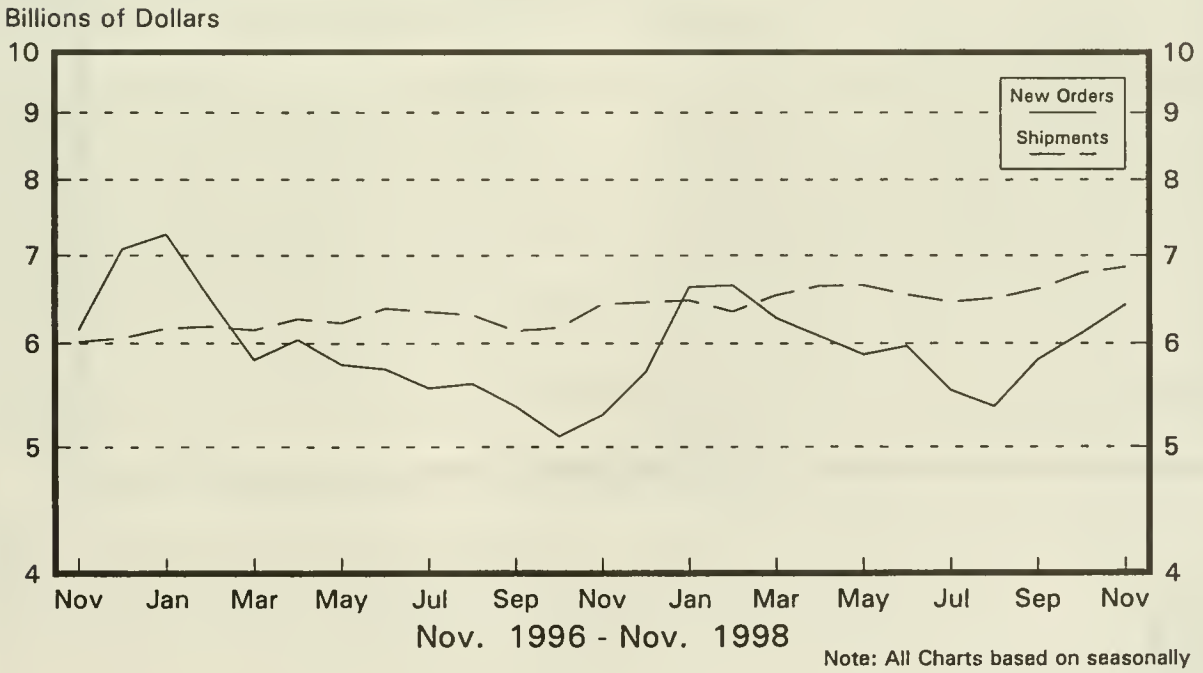
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998/1999 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
November 1998	Wed., Dec. 23 (10 A.M.)	Thurs., Jan 7, 1999
December 1998	Thur., Jan. 28	Thur., Feb 4
January 1999	Thur., Feb. 25	Thur., Mar. 4
February 1999	Wed., Mar. 24	Wed., Mar. 31
March 1999	Wed., Apr. 28	Wed., May 5
April 1999	Wed ., May 26	Thur., June 3
May 1999	Thur, June 24	Fri, July 2
June 1999	Wed., July 28	Wed., Aug. 4
July 1999	Wed., Aug. 25	Thur., Sep. 2
August 1999	Wed., Sept. 29	Wed., Oct. 6
September 1999	Wed., Oct. 27	Wed., Nov. 3
October 1999	Tues., Nov. 23	Fri., Dec. 3
November 1999	Thur, Dec. 23	

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Manufacturers' Shipments, Inventories, and Orders

ent Industrial Reports, Manufacturers' Shipments,
ntories, and Orders, M3-1-(98)-12, December 1998

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $7.6 billion or 2.3 percent to $343.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent November increase and is the sixth increase in the last seven months. Excluding transportation, new orders increased 2.3 percent, the third increase in the last four months. New orders for 1998 are 2.0 percent above 1997.

Shipments increased $3.1 billion or 0.9 percent to $344.5 billion, following a 0.4 percent November increase. This is the sixth increase in the last seven months. Shipments for 1998 are 3.1 percent above 1997.

Unfilled orders, down seven of the last eight months, decreased $1.0 billion or 0.2 percent to $518.3 billion, following a 1.0 percent November decrease. The unfilled orders-to-shipments ratio was 2.61, unchanged from November.

Inventories decreased $4.1 billion or 0.9 percent to $466.9 billion. This is the second consecutive monthly decline following 10 consecutive monthly increases. The inventories-to-shipments ratio was 1.36, down from 1.38 in November.

New Orders

New orders for manufactured durable goods in December increased $5.8 billion or 3.1 percent to $195.0 billion, revised from the previously published 1.9 percent increase. This follows a 0.4 percent November increase and is the sixth increase in the last seven months.

Industrial machinery and equipment, up three of the last four months, had the largest increase, $2.6 billion or 7.4 percent to $38.2 billion. This follows a 0.3 percent November increase. Electronic and other electrical equipment, up three of the last four months, increased $1.1 billion or 3.6 percent to $33.1 billion. This follows a 4.2 percent November decrease. Transportation equipment, up for the second consecutive month, increased $0.8 billion or 1.8 percent to $45.8 billion; all categories increased except aircraft and parts. This follows a 0.3 percent November increase. Primary metals, down three of the last four months, decreased $0.2 billion or 1.3 percent to $14.4 billion, following a 9.3 percent November increase.

New orders for nondurable goods, up three of the last four months, increased $1.8 billion or 1.2 percent to $148.5 billion. This follows a 0.4 percent November increase. Chemicals and allied products had the largest increase.

Shipments

Shipments of durable goods in December increased $0.9 billion or 0.5 percent to $195.8 billion, revised from the previously published 0.4 percent increase. This follows a 0.5 percent November increase and is the seventh consecutive monthly increase.

Electronic and other electrical equipment, up six of the last seven months, had the largest increase, $0.4 billion or 1.3 percent to $33.1 billion, following a 1.3 percent November increase. Industrial machinery and equipment, up three of the last four months, increased $0.4 billion or 1.2 percent to $37.0 billion. This follows a 1.0 percent November decrease. Transportation equipment, down for the first month since July, decreased $0.6 billion or 1.1 percent to $47.8 billion. This follows a 0.6 percent November increase.

Shipments of nondurable goods, up for the second consecutive month, increased $2.1 billion or 1.5 percent to $148.7 billion, following a 0.2 percent November increase. Chemicals and allied products, up three of the last four months, had the largest increase, $1.0 billion or 3.0 percent to $33.5 billion, following a 1.8 percent November increase. Food and kindred products and tobacco products each increased $0.4 billion.

Unfilled Orders

Unfilled orders for durable goods in December decreased $0.7 billion or 0.1 percent to $494.4 billion, revised from the previously published 0.6 percent decrease. This follows a 1.1 percent November decrease and is the seventh decline in the last eight months. Transportation equipment, down seven of the last eight months, had the largest decrease, $1.9 billion or 0.8 percent to $243.0 billion. This follows a 1.3 percent November decrease. Industrial machinery and equipment, up for the first month since September, increased $1.2 billion or 1.6 percent to $74.3 billion, following a 1.4 percent November decrease.

Inventories

Inventories of durable goods in December decreased $2.7 billion or 0.9 percent to $295.3 billion, following a 0.2 percent November decrease. This is the second consecutive decrease. Transportation equipment, down three of the last four months, decreased $1.1 billion or 1.4 percent to $75.4 billion, following a 0.7 percent November decrease. Industrial machinery and equipment, down three of the last four months, decreased $0.5 billion or 0.8 percent to $60.5 billion. This follows a 0.3 percent November increase. Electronic and other electrical equipment, down three of the last four months, decreased $0.3 billion or 0.8 percent to $40.0 billion, following a 0.7 percent November decline.

Inventories of nondurable goods, down for the first month since August, decreased $1.4 billion or 0.8 percent to $171.6 billion, following a 0.3 percent November increase. Chemicals and allied products, down for the first month since September, decreased $0.7 billion or 1.6 percent to $46.1 billion, following a 1.1 percent November increase.

By stage of fabrication, December finished goods decreased 0.1 percent in durables and 0.5 percent in nondurables. Work in process decreased 1.0 percent in durables and 1.8 percent in nondurables. Materials and supplies decreased 1.5 percent in durables and 0.8 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

he advance report on durable goods for January is scheduled for February 25, 1999 at 8:30 a.m. and the full report on March 4, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. See back page for **1999 Release Dates.** This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97	1998[p]	1997
All manufacturing industries	344,496	341,423	340,133	+0.9	+0.4	-0.1	342,652	341,167	350,525	332,383	+3.1	4,052,605	3,929,419
Manufacturing Industries													
with unfilled orders	198,822	198,659	197,344	+0.1	+0.7	+0.5	204,583	199,576	200,633	195,930	+4.4	2,334,704	2,215,486
without defense capital goods	337,979	334,469	333,065	+1.0	+0.4	-0.2	335,108	334,015	343,522	325,283	+3.0	3,972,975	3,854,225
Durable goods industries	195,753	194,823	193,818	+0.5	+0.5	+0.5	198,358	194,672	199,125	187,147	+6.0	2,276,065	2,158,699
With unfilled orders	161,766	161,668	160,571	+0.1	+0.7	+0.7	168,018	161,677	162,408	158,298	+6.1	1,885,325	1,776,744
Stone, clay, and glass products	8,308	8,236	8,149	+0.9	+1.1	+0.9	7,355	8,044	8,757	6,694	+9.9	96,146	90,221
Primary metals	14,275	14,286	14,590	-0.1	-2.1	-2.4	13,038	13,914	14,935	14,414	-9.5	181,014	188,916
Blast furnaces, steel mills	5,373	5,551	5,729	-3.2	-3.1	-3.0	4,905	5,319	5,851	5,987	-18.1	72,772	77,023
Iron and steel foundries	1,572	1,515	1,490	+3.8	+1.7	-1.1	1,319	1,473	1,603	1,259	+4.8	18,091	16,819
Nonferrous and other primary metals	7,330	7,220	7,371	+1.5	-2.0	-2.2	6,814	7,122	7,481	7,168	-4.9	90,151	95,074
Fabricated metal products	20,604	20,415	20,176	+0.9	+1.2	-0.3	19,177	20,227	21,391	17,878	+7.3	239,692	226,120
Industrial machinery and equipment	37,049	36,623	37,011	+1.2	-1.0	+0.6	40,266	34,464	35,476	38,637	+4.2	442,419	408,860
Engines and turbines	2,346	2,413	2,391	-2.8	+0.9	+8.3	2,924	2,359	2,250	2,580	+13.3	27,186	24,127
Farm and garden machinery	1,711	1,678	1,762	+2.0	-4.8	-6.8	1,254	1,237	1,624	1,511	-17.0	23,776	22,928
Construction, mining and material handling equipment	3,983	4,035	4,096	-1.3	-1.5	-3.8	3,806	3,765	4,044	3,918	-2.9	50,395	45,765
Metalworking machinery	3,729	3,703	3,620	+0.7	+2.3	+3.0	3,958	4,146	3,882	3,616	+9.5	42,310	41,260
Computer and office equipment	11,053	11,063	11,204	-0.1	-1.3	+3.1	14,663	10,170	9,633	13,131	+11.7	129,868	111,334
Electronic and other electrical equipment	33,070	32,634	32,219	+1.3	+1.3	-0.6	37,060	33,995	32,427	33,869	+9.4	376,068	351,554
Electrical transmission and distribution equipment and industrial apparatus	3,806	3,605	3,608	+5.6	-0.1	-8.0	3,795	3,467	3,522	3,461	+9.7	44,139	41,344
Household appliances	2,245	2,149	2,051	+4.5	+4.8	-2.4	2,210	2,084	2,067	2,052	+7.7	25,190	23,442
Electric lighting and wiring equipment	2,451	2,258	2,250	+8.5	+0.4	-1.4	2,627	2,352	2,225	2,372	+10.8	27,094	26,221
Household audio and video equipment	1,118	1,017	1,007	+9.9	+1.0	+3.4	1,123	1,270	1,340	1,085	+3.5	12,386	12,030
Communications equipment	7,501	7,533	7,362	-0.4	+2.3	-3.5	10,641	7,630	6,995	9,566	+11.2	86,131	77,368
Electronic components	13,589	13,681	13,638	-0.7	+0.3	+2.7	14,332	14,217	13,649	13,239	+8.3	154,518	143,750
Transportation equipment	47,771	48,324	48,017	-1.1	+0.6	+3.1	46,512	49,747	51,680	42,401	+9.7	536,748	502,301
Motor vehicles and parts	32,168	31,581	31,586	+1.9	0.0	+1.7	28,319	32,539	35,596	26,010	+8.9	359,550	346,606
Aircraft, missiles, space vehicles, and parts.	11,849	13,215	12,797	-10.3	+3.3	+7.3	14,461	13,657	12,335	13,436	+7.6	137,999	121,393
Shipbuilding and tanks	971	1,283	1,456	-24.3	-11.9	+35.7	1,167	1,322	1,475	1,038	+12.4	12,366	10,669
Instruments and related products	14,476	14,517	14,040	-0.3	+3.4	-1.8	15,535	14,516	13,698	15,018	+3.4	169,064	162,981
Search and navigation equipment	3,281	3,296	3,182	-0.5	+3.6	+4.6	3,525	3,286	3,074	2,977	+18.4	37,023	33,238
Measuring and controlling devices	3,919	4,230	3,927	-7.4	+7.7	-2.2	4,146	4,253	3,838	4,490	-7.7	48,676	50,204
Medical instruments and supplies	4,890	4,554	4,521	+7.4	+0.7	-3.1	5,449	4,406	4,309	4,951	+10.1	54,336	50,935
Photographic goods	1,890	1,956	1,952	-3.4	+0.2	-7.8	1,920	2,096	2,032	2,155	-10.9	23,493	23,520
All other durable goods	20,200	19,788	19,616	+2.1	+0.9	+0.6	19,415	19,765	20,761	18,236	+6.5	234,914	227,746
Nondurable goods industries	148,743	146,600	146,315	+1.5	+0.2	-0.9	144,294	146,495	151,400	145,236	-0.6	1,776,540	1,770,720
With unfilled orders	37,056	36,991	36,773	+0.2	+0.6	-0.3	36,565	37,899	38,225	37,632	-2.8	449,379	438,742
Food and kindred products	41,788	41,387	41,351	+1.0	+0.1	+0.2	41,246	42,172	42,783	39,633	+4.1	490,659	470,447
Meat products	8,629	8,691	8,692	-0.7	0.0	-1.1	8,439	8,802	8,773	8,486	-0.6	104,420	102,930
Dairy products	7,009	6,755	6,466	+3.8	+4.5	-1.7	6,935	6,909	6,339	5,233	+32.5	75,115	59,452
Beverages	6,144	6,028	6,138	+1.9	-1.8	-1.1	5,758	5,724	6,114	5,717	+0.7	73,101	70,768
All other foods, except fats and oils	17,840	17,784	17,968	+0.3	-1.0	+1.6	17,948	18,608	19,470	17,844	+0.6	213,061	212,856
Tobacco products	3,760	3,398	3,466	+10.7	-2.0	-1.6	3,912	3,346	3,659	3,147	+24.3	41,625	38,693
Textile mill products	6,538	6,498	6,551	+0.6	-0.8	+0.9	5,943	6,533	6,836	6,370	-6.7	80,742	83,871
Broadwoven fabrics and other textiles	3,817	3,852	3,899	-0.9	-1.2	-0.7	3,592	3,741	3,948	4,036	-11.0	48,568	51,107
Paper and allied products	13,559	13,489	13,421	+0.5	+0.5	-0.7	13,189	13,265	13,735	13,927	-5.3	165,331	161,992
Pulp, paper, and paperboard mill products	4,972	5,051	5,113	-1.6	-1.2	0.0	4,915	5,026	5,235	5,583	-12.0	63,599	64,761
Paperboard containers and boxes	3,542	3,504	3,434	+1.1	+2.0	-0.8	3,298	3,430	3,545	3,578	-7.8	42,837	40,704
Miscellaneous converted paper products	5,045	4,934	4,874	+2.2	+1.2	-1.4	4,976	4,809	4,955	4,766	+4.4	58,895	56,527
Chemicals and allied products	33,522	32,533	31,960	+3.0	+1.8	-2.0	33,277	31,044	31,536	32,280	+3.1	391,686	389,189
Industrial chemicals	14,783	14,439	14,585	+2.4	-1.0	-0.6	14,148	13,884	14,397	15,280	-7.4	179,757	193,265
Drugs, soaps, and toiletries	14,756	14,309	13,546	+3.1	+5.6	-4.7	15,843	14,146	13,850	13,848	+14.4	165,654	150,016
Petroleum and coal products	11,095	11,043	11,500	+0.5	-4.0	-3.2	10,705	11,080	12,267	13,598	-21.3	145,705	177,314
Rubber and plastics products	13,384	13,209	13,249	+1.3	-0.3	-0.2	11,952	12,688	13,796	12,074	-1.0	158,101	156,599
All other nondurable goods	25,097	25,043	24,817	+0.2	+0.9	-0.9	24,070	26,367	26,788	24,207	-0.6	302,691	292,615

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97	1998[p]	1997
All manufacturing industries	343,529	335,930	334,663	+2.3	+0.4	-1.7	340,965	333,218	347,900	330,612	+3.1	4,034,176	3,952,025
anufacturing industries													
vith unfilled orders	197,855	193,166	191,874	+2.4	+0.7	-2.3	202,896	191,627	198,008	194,159	+4.5	2,316,275	2,238,092
vithout defense capital goods	336,923	330,273	328,310	+2.0	+0.6	-1.5	331,363	327,279	342,165	320,815	+3.3	3,961,743	3,884,319
rable goods industries	195,011	189,193	188,523	+3.1	+0.4	-2.2	196,973	186,550	197,533	185,604	+6.1	2,259,744	2,180,708
Vith unfilled orders	161,024	156,038	155,276	+3.2	+0.5	-2.6	166,633	153,555	160,816	156,755	+6.3	1,869,004	1,798,753
one, clay, and glass products	8,298	8,195	8,038	+1.3	+2.0	+0.1	7,405	7,934	8,520	6,697	+10.6	96,088	89,893
imary metals	14,402	14,587	13,343	-1.3	+9.3	-4.1	14,003	14,140	13,123	15,307	-8.5	175,717	193,987
Blast furnaces, steel mills	5,444	5,572	4,912	-2.3	+13.4	-8.1	5,362	5,353	4,798	6,603	-18.8	69,538	79,481
Iron and steel foundries	1,541	1,568	1,504	-1.7	+4.3	+8.7	1,373	1,515	1,570	1,486	-7.6	18,051	17,993
Nonferrous and other primary metals	7,417	7,447	6,927	-0.4	+7.5	-3.6	7,268	7,272	6,755	7,218	+0.7	88,128	96,513
bricated metal products	20,496	20,235	20,095	+1.3	+0.7	+0.8	19,117	19,790	21,088	17,889	+6.9	238,789	228,567
lustrial machinery and equipment	38,216	35,593	35,503	+7.4	+0.3	-8.9	40,946	33,930	34,785	37,061	+10.5	443,296	409,215
Engines and turbines	3,766	2,308	2,769	+63.2	-16.6	-48.7	4,224	2,457	2,994	2,263	+86.7	33,375	23,687
Construction, mining and material handling equipment	4,004	3,817	3,748	+4.9	+1.8	-4.0	4,007	3,486	3,839	4,317	-7.2	49,640	47,512
Metalworking machinery	3,359	3,567	3,379	-5.8	+5.6	+1.9	3,588	4,010	3,641	3,184	+12.7	41,549	40,194
Computer and office equipment	11,573	10,944	10,948	+5.7	0.0	+0.7	14,742	10,135	9,522	12,412	+18.8	130,165	108,986
ctronic and other ectrical equipment	33,071	31,933	33,348	+3.6	-4.2	+1.5	34,672	31,022	37,676	31,579	+9.8	380,196	356,557
Electrical transmission and distribution equipment and industrial apparatus	3,783	3,536	3,647	+7.0	-3.0	-5.9	3,711	3,342	3,641	3,579	+3.7	43,786	41,251
Electric lighting and wiring equipment	2,571	2,171	2,270	+18.4	-4.4	+9.0	2,747	2,265	2,245	2,417	+13.7	27,206	26,638
Communications equipment	7,245	7,313	7,752	-0.9	-5.7	-2.4	10,406	7,423	7,388	9,105	+14.3	88,858	79,273
Electronic components	13,627	13,137	14,157	+3.7	-7.2	+3.7	12,198	11,702	18,111	11,378	+7.2	156,266	145,674
nsportation equipment	45,822	45,024	44,870	+1.8	+0.3	-0.5	45,833	46,476	48,013	43,301	+5.8	524,740	507,667
Aircraft, missiles, space vehicles, and parts.	8,131	9,962	9,637	-18.4	+3.4	+5.8	11,952	10,449	8,842	12,388	-3.5	124,426	124,151
Shipbuilding and tanks	1,724	754	1,936	128.6	-61.1	-8.1	1,799	803	1,939	2,044	-12.0	12,560	9,635
ruments and related products	14,423	13,920	13,642	+3.6	+2.0	-5.3	16,038	13,844	13,397	16,063	-0.2	166,417	165,453
earch and navigation equipment	3,007	2,902	2,743	+3.6	+5.8	-9.9	3,990	2,918	2,412	3,843	+3.8	34,324	33,763
Measuring and controlling devices	4,188	4,111	3,930	+1.9	+4.6	-0.3	4,415	4,134	3,841	4,725	-6.6	48,187	50,629
Medical instruments and supplies	4,837	4,410	4,564	+9.7	-3.4	-6.2	5,190	4,206	4,701	4,939	+5.1	55,500	51,833
other durable goods	20,283	19,706	19,684	+2.9	+0.1	+0.7	18,959	19,414	20,931	17,707	+7.1	234,501	229,369
ndurable goods industries	148,518	146,737	146,140	+1.2	+0.4	-1.0	143,992	146,668	150,367	145,008	-0.7	1,774,432	1,771,317
Vith unfilled orders	36,831	37,128	36,598	-0.8	+1.4	-0.7	36,263	38,072	37,192	37,404	-3.1	447,271	439,339

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97
All manufacturing industries	518,336	519,303	524,796	-0.2	-1.0	-1.0	513,129	514,816	522,765	531,558	-3.5
Manufacturing industries without defense capital goods	423,207	424,263	428,459	-0.2	-1.0	-1.1	418,110	421,855	428,591	429,342	-2.6
Durable goods industries	494,387	495,129	500,759	-0.1	-1.1	-1.0	490,013	491,398	499,520	506,334	-3.2
Stone, clay, and glass products	6,239	6,249	6,290	-0.2	-0.7	-1.7	6,118	6,068	6,178	6,176	-0.9
Primary metals	29,816	29,689	29,388	+0.4	+1.0	-4.1	29,041	28,076	27,850	34,338	-15.4
Blast furnaces, steel mills	11,529	11,458	11,437	+0.6	+0.2	-6.7	11,124	10,667	10,633	14,358	-22.5
Iron and steel foundries	5,563	5,594	5,541	-0.6	+1.0	+0.3	5,436	5,382	5,340	5,476	-0.7
Nonferrous and other primary metals	12,724	12,637	12,410	+0.7	+1.8	-3.5	12,481	12,027	11,877	14,504	-13.9
Fabricated metal products	25,849	25,957	26,137	-0.4	-0.7	-0.3	25,447	25,507	25,944	26,350	-3.4
Industrial machinery and equipment	74,259	73,092	74,122	+1.6	-1.4	-2.0	74,302	73,622	74,156	73,425	+1.2
Engines and turbines	18,078	16,658	16,763	+8.5	-0.6	+2.3	18,723	17,423	17,325	12,534	+49.4
Construction, mining and material handling equipment	9,771	9,750	9,968	+0.2	-2.2	-3.4	9,611	9,410	9,689	10,366	-7.3
Metalworking machinery	6,388	6,758	6,894	-5.5	-2.0	-3.4	6,388	6,758	6,894	7,149	-10.6
Computer and office equipment	8,146	7,626	7,745	+6.8	-1.5	-3.2	7,929	7,850	7,885	7,632	+3.9
Electronic and other electrical equipment	59,678	59,677	60,378	0.0	-1.2	+1.9	57,434	59,822	62,795	53,306	+7.7
Electrical transmission and distribution equipment and industrial apparatus	6,343	6,366	6,435	-0.4	-1.1	+0.6	6,165	6,249	6,374	6,518	-5.4
Electric lighting and wiring equipment	5,039	4,919	5,006	+2.4	-1.7	+0.4	5,039	4,919	5,006	4,927	+2.3
Communications equipment	17,034	17,290	17,510	-1.5	-1.3	+2.3	17,058	17,293	17,500	14,331	+19.0
Electronic components	25,020	24,982	25,526	+0.2	-2.1	+2.1	23,288	25,422	27,937	21,540	+8.1
Transportation equipment	242,998	244,947	248,247	-0.8	-1.3	-1.3	242,509	243,188	246,459	254,517	-4.7
Aircraft, missiles, space vehicles, and parts	204,911	208,629	211,882	-1.8	-1.5	-1.5	204,547	207,056	210,264	218,120	-6.2
Shipbuilding and tanks	18,689	17,936	18,465	+4.2	-2.9	+2.7	18,624	17,992	18,511	18,430	+1.1
Instruments and related products	47,354	47,407	48,004	-0.1	-1.2	-0.8	47,482	46,979	47,651	50,129	-5.2
Search and navigation equipment	26,314	26,588	26,982	-1.0	-1.5	-1.6	26,544	26,079	26,447	29,243	-9.2
Measuring and controlling devices	10,364	10,095	10,214	+2.7	-1.2	0.0	10,364	10,095	10,214	10,853	-4.5
Medical instruments and supplies	9,644	9,697	9,841	-0.5	-1.5	+0.4	9,588	9,847	10,047	8,424	+13.8
All other durable goods	8,194	8,111	8,193	+1.0	-1.0	+0.8	7,680	8,136	8,487	8,093	-5.1
Nondurable goods industries	23,949	24,174	24,037	-0.9	+0.6	-0.7	23,116	23,418	23,245	25,224	-8.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97
All manufacturing industries	466,900	471,000	471,031	-0.9	0.0	+0.5	456,189	471,705	471,645	446,131	+2.3
nufacturing industries											
th unfilled orders	312,728	315,446	316,459	-0.9	-0.3	+0.5	303,308	315,357	316,425	294,632	+2.9
thout defense capital goods	446,985	451,758	451,954	-1.1	0.0	+0.5	437,167	452,640	452,403	429,438	+1.8
rable goods industries	295,308	297,981	298,561	-0.9	-0.2	+0.6	287,205	298,755	298,510	278,766	+3.0
/ith unfilled orders	271,139	273,905	274,859	-1.0	-0.3	+0.6	263,222	274,436	275,050	255,517	+3.0
ne, clay, and glass products	9,296	9,320	9,235	-0.3	+0.9	0.0	9,082	9,004	8,894	8,832	+2.8
mary metals	24,765	24,817	24,825	-0.2	0.0	-0.3	24,834	24,722	24,694	24,785	+0.2
last furnaces, steel mills	12,101	12,175	12,312	-0.6	-1.1	-0.7	12,342	12,271	12,350	12,017	+2.7
ron and steel foundries	1,574	1,579	1,576	-0.3	+0.2	+0.4	1,538	1,539	1,539	1,523	+1.0
lonferrous and other primary metals	11,090	11,063	10,937	+0.2	+1.2	+0.1	10,954	10,912	10,805	11,245	-2.6
ricated metal products	30,872	31,134	31,093	-0.8	+0.1	+0.1	30,287	30,786	30,767	29,046	+4.3
ustrial machinery and equipment	60,495	60,974	60,811	-0.8	+0.3	-0.2	58,380	61,563	60,710	58,164	+0.4
ngines and turbines	3,808	4,045	3,959	-5.9	+2.2	-1.6	3,541	4,263	4,067	3,872	-8.5
arm and garden machinery	3,908	3,889	3,847	+0.5	+1.1	+1.6	4,077	3,948	3,620	3,735	+9.2
onstruction, mining and material handling equipment	9,062	9,017	8,901	+0.5	+1.3	+1.1	8,859	9,005	8,832	7,970	+11.2
letalworking machinery	7,844	7,812	7,829	+0.4	-0.2	-1.6	7,345	7,729	7,920	6,901	+6.4
omputer and office equipment	9,048	9,090	9,148	-0.5	-0.6	-1.8	8,327	9,388	9,230	9,869	-15.6
tronic and other ctrical equipment	39,977	40,315	40,589	-0.8	-0.7	+1.0	38,575	40,296	40,656	39,102	-1.3
lectrical transmission and listribution equipment and ndustrial apparatus	5,530	5,386	5,331	+2.7	+1.0	+1.3	5,406	5,424	5,353	5,495	-1.6
ousehold appliances	2,416	2,437	2,440	-0.9	-0.1	+1.6	2,177	2,369	2,375	2,044	+6.5
ectric lighting and wiring equipment	3,455	3,509	3,538	-1.5	-0.8	+1.1	3,269	3,528	3,570	3,204	+2.0
ousehold audio and ideo equipment	1,024	1,084	1,077	-5.5	+0.6	+2.1	952	1,047	1,085	917	+3.8
ommunications equipment	9,825	10,121	10,388	-2.9	-2.6	+0.3	9,419	10,272	10,469	10,304	-8.6
ectronic components	14,087	14,123	14,169	-0.3	-0.3	+1.3	13,887	14,098	14,177	13,778	+0.8
sportation equipment	75,401	76,452	76,999	-1.4	-0.7	+1.7	72,715	77,276	77,643	66,877	+8.7
otor vehicles and parts	17,464	17,240	16,755	+1.3	+2.9	+0.3	16,897	17,299	16,765	15,568	+8.5
rcraft, missiles, pace vehicles, and parts	52,374	53,582	54,591	-2.3	-1.8	+2.2	50,385	54,357	55,267	46,126	+9.2
ipbuilding and tanks	1,896	1,768	1,811	+7.2	-2.4	-1.8	1,869	1,755	1,786	1,644	+13.7
uments and related products	26,490	26,679	26,667	-0.7	0.0	+0.3	25,643	26,829	26,759	25,143	+2.0
arch and navigation equipment	6,593	6,701	6,772	-1.6	-1.0	+1.0	6,398	6,677	6,708	6,391	+0.1
easuring and controlling devices	8,026	7,993	8,007	+0.4	-0.2	-0.1	7,796	7,997	7,982	7,791	+0.1
edical instruments and supplies	8,452	8,583	8,502	-1.5	+1.0	-0.3	8,257	8,725	8,585	7,977	+3.5
otographic goods	2,678	2,661	2,654	+0.6	+0.3	+1.1	2,455	2,683	2,751	2,322	+5.7
ther durable goods	28,012	28,290	28,342	-1.0	-0.2	+0.6	27,689	28,279	28,387	26,817	+3.3
lurable goods industries	171,592	173,019	172,470	-0.8	+0.3	+0.4	168,984	172,950	173,135	167,365	+1.0
ith unfilled orders	41,589	41,541	41,600	+0.1	-0.1	-0.3	40,086	40,921	41,375	39,115	+2.5
and kindred products	37,207	37,264	37,459	-0.2	-0.5	+0.9	37,417	38,812	39,453	37,301	+0.3
eat products	4,074	4,044	4,042	+0.7	0.0	+0.3	3,842	4,002	4,038	3,736	+2.8
iry products	3,732	3,804	3,797	-1.9	+0.2	+0.6	3,535	3,696	3,803	3,303	+7.0
verages	8,346	8,330	8,206	+0.2	+1.5	+0.8	8,264	8,528	8,450	7,871	+5.0
other foods, except fats and oils	19,175	19,174	19,371	0.0	-1.0	+0.6	19,861	20,551	21,052	20,477	-3.0
cco products	5,904	5,939	6,020	-0.6	-1.3	+4.1	6,298	6,144	6,154	6,149	+2.4
le mill products	10,197	10,194	10,286	0.0	-0.9	-0.2	9,746	9,961	10,095	9,743	0.0
oadwoven fabrics and ther textiles	6,358	6,363	6,410	-0.1	-0.7	0.0	6,130	6,283	6,307	6,135	-0.1
and allied products	16,470	16,483	16,511	-0.1	-0.2	-0.1	16,330	16,251	16,260	16,108	+1.4
lp, paper, and aperboard mill products	6,759	6,746	6,766	+0.2	-0.3	+0.5	6,704	6,686	6,667	6,493	+3.2
perboard containers and boxes	4,121	4,179	4,210	-1.4	-0.7	-0.6	4,118	4,077	4,108	4,082	+0.9
scellaneous converted aper products	5,590	5,558	5,535	+0.6	+0.4	-0.4	5,508	5,488	5,485	5,533	-0.5
nicals and allied products	46,132	46,875	46,356	-1.6	+1.1	+0.1	45,602	46,543	45,792	43,880	+3.9
lustrial chemicals	19,676	19,872	19,910	-1.0	-0.2	-1.5	19,732	19,649	19,632	20,335	-3.0
ugs, soaps, and toiletries	20,683	21,254	20,656	-2.7	+2.9	+1.3	20,079	21,255	20,566	18,195	+10.4
leum and coal products	10,369	10,965	10,832	-5.4	+1.2	+0.6	10,000	11,109	10,939	11,806	-15.3
er and plastics products	16,791	16,857	16,678	-0.4	+1.1	+0.4	16,626	16,567	16,278	16,300	+2.0
ther nondurable goods	28,522	28,442	28,328	+0.3	+0.4	-0.2	26,965	27,563	28,164	26,078	+3.4

[p]Preliminary. [r] Revised.

e note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97	1998[p]	1997
SHIPMENTS													
All manufacturing industries	344,496	341,423	340,133	+0.9	+0.4	-0.1	342,652	341,167	350,525	332,383	+3.1	4,052,605	3,929,419
Market categories :													
Automotive equipment	15,609	15,221	15,238	+2.5	-0.1	+0.5	13,813	15,723	17,281	12,886	+7.2	174,914	169,145
Home goods and apparel	19,253	18,692	18,496	+3.0	+1.1	-0.9	17,327	19,421	20,595	17,016	+1.8	226,999	220,994
Consumer staples	70,647	69,370	68,901	+1.8	+0.7	-1.4	71,372	70,000	71,153	68,737	+3.8	831,099	809,598
Machinery and equipment	67,394	66,847	66,717	+0.8	+0.2	+0.3	74,685	65,851	66,124	69,124	+8.0	776,560	711,993
Business supplies	25,778	25,506	25,444	+1.1	+0.2	+0.1	25,489	26,017	26,308	25,523	-0.1	306,075	302,490
Construction materials and supplies	22,295	21,914	21,719	+1.7	+0.9	+0.1	20,601	21,480	22,944	19,325	+6.6	260,188	252,549
Defense products	6,827	7,250	7,269	-5.8	-0.3	+5.7	7,700	7,364	7,184	7,388	+4.2	83,226	79,523
Other materials, supplies and and intermediate products	116,693	116,623	116,349	+0.1	+0.2	+0.1	111,665	115,311	118,936	112,384	-0.6	1,393,544	1,383,127
Durable goods industries :													
Nondefense capital goods [3]	54,070	54,200	53,870	-0.2	+0.6	+0.8	63,396	52,882	51,412	58,116	+9.1	624,499	563,933
Excluding aircraft and parts	45,512	44,716	44,985	+1.8	-0.6	-0.1	52,923	43,142	43,008	48,786	+8.5	528,989	483,149
Defense capital goods [4]	6,517	6,954	7,068	-6.3	-1.6	+7.0	7,544	7,152	7,003	7,100	+6.3	79,630	75,194
Durables excluding capital goods	135,166	133,669	132,880	+1.1	+0.6	0.0	127,418	134,638	140,710	121,931	+4.5	1,571,936	1,519,572
Miscellaneous series :													
Producers' durable equipment	128,597	127,091	126,474	+1.2	+0.5	+0.4	131,953	127,037	129,912	122,721	+7.5	1,477,159	1,383,145
Household durable goods	9,788	9,416	9,244	+4.0	+1.9	+0.1	9,597	9,886	10,080	9,096	+5.5	112,418	106,074
Information technology industries	25,254	25,696	25,285	-1.7	+1.6	-0.5	32,322	25,047	23,285	30,192	+7.1	297,917	270,844
Health care equipment and products	12,896	12,320	11,879	+4.7	+3.7	-4.1	14,017	12,081	11,836	12,456	+12.5	144,291	132,540
NEW ORDERS													
All manufacturing industries	343,529	335,930	334,663	+2.3	+0.4	-1.7	340,965	333,218	347,900	330,612	+3.1	4,034,176	3,952,025
Market categories :													
Automotive equipment	15,652	15,257	15,241	+2.6	+0.1	+0.1	13,877	15,713	17,276	12,917	+7.4	174,840	169,31[illegible]
Home goods and apparel	19,341	18,988	18,786	+1.9	+1.1	0.0	17,045	19,368	20,725	16,609	+2.6	226,750	222,40[illegible]
Consumer staples	70,710	69,552	68,776	+1.7	+1.1	-1.6	71,467	70,159	70,795	68,743	+4.0	831,404	809,56[illegible]
Machinery and equipment	65,250	63,839	63,403	+2.2	+0.7	-6.5	71,768	62,907	63,425	66,086	+8.6	774,645	729,60[illegible]
Business supplies	25,697	25,664	25,291	+0.1	+1.5	-0.6	25,356	26,152	25,897	25,306	+0.2	306,228	302,43[illegible]
Construction materials and supplies	22,355	21,783	21,655	+2.6	+0.6	+1.2	20,737	21,239	22,690	19,470	+6.5	259,864	253,76[illegible]
Defense products	6,878	5,797	6,662	+18.6	-13.0	-10.8	9,726	6,091	6,119	9,957	-2.3	76,005	72,06[illegible]
Other materials, supplies and and intermediate products	117,646	115,050	114,849	+2.3	+0.2	+0.4	110,989	111,589	120,973	111,524	-0.5	1,384,440	1,392,871
Durable goods industries :													
Nondefense capital goods [3]	52,513	50,675	50,138	+3.6	+1.1	-6.4	61,255	49,726	48,453	55,048	+11.3	620,927	577,978
Excluding aircraft and parts	47,001	43,775	43,030	+7.4	+1.7	-9.7	53,828	42,570	41,826	47,948	+12.3	532,185	490,101
Defense capital goods [4]	6,606	5,657	6,353	+16.8	-11.0	-9.8	9,602	5,939	5,735	9,797	-2.0	72,433	67,70[illegible]
Durables excluding capital goods	135,892	132,861	132,032	+2.3	+0.6	-0.1	126,116	130,885	143,345	120,759	+4.4	1,566,384	1,535,024
Miscellaneous series :													
Producers' durable equipment	125,924	124,474	123,187	+1.2	+1.0	-4.1	128,025	123,962	127,504	119,866	+6.8	1,473,563	1,405,864
Household durable goods	9,831	9,465	9,387	+3.9	+0.8	+1.1	9,330	9,668	10,266	8,680	+7.5	111,778	107,403
Information technology industries	25,677	24,961	25,062	+2.9	-0.4	-2.3	32,317	24,369	23,198	29,379	+10.0	299,231	272,60[illegible]
Health care equipment and products	12,843	12,176	11,922	+5.5	+2.1	-5.2	13,756	11,880	12,228	12,441	+10.6	145,454	133,451

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97
UNFILLED ORDERS											
ll manufacturing industries	518,336	519,303	524,796	-0.2	-1.0	-1.0	513,129	514,816	522,765	531,558	-3.5
rket categories :											
utomotive equipment	2,461	2,418	2,382	+1.8	+1.5	+0.1	2,411	2,348	2,358	2,487	-3.1
lome goods and apparel	9,029	8,941	8,646	+1.0	+3.4	+3.5	8,309	8,591	8,643	8,559	-2.9
onsumer staples	2,391	2,328	2,146	+2.7	+8.5	-5.5	2,354	2,260	2,100	2,050	+14.8
lachinery and equipment	241,766	243,910	246,919	-0.9	-1.2	-1.3	240,827	243,744	246,688	242,743	-0.8
usiness supplies	6,810	6,891	6,733	-1.2	+2.3	-2.2	6,585	6,718	6,584	6,432	+2.4
onstruction materials and supplies	17,546	17,486	17,618	+0.3	-0.7	-0.4	17,303	17,166	17,408	17,626	-1.8
efense products	90,218	90,167	91,620	+0.1	-1.6	-0.7	90,323	88,298	89,571	97,544	-7.4
ther materials, supplies and and intermediate products	148,115	147,162	148,732	+0.6	-1.1	-1.0	145,017	145,691	149,413	154,117	-5.9
able goods industries :											
ondefense capital goods [3]	257,890	259,447	262,972	-0.6	-1.3	-1.4	257,644	259,785	262,941	261,216	-1.4
Excluding aircraft and parts	106,614	105,125	106,066	+1.4	-0.9	-1.8	106,368	105,463	106,035	103,172	+3.1
efense capital goods [4]	95,129	95,040	96,337	+0.1	-1.3	-0.7	95,019	92,961	94,174	102,216	-7.0
urables excluding capital goods	141,368	140,642	141,450	+0.5	-0.6	-0.6	137,350	138,652	142,405	142,902	-3.9
ellaneous series :											
oducers' durable equipment	281,150	283,823	286,440	-0.9	-0.9	-1.1	279,518	283,446	286,521	283,114	-1.3
ousehold durable goods	5,522	5,479	5,430	+0.8	+0.9	+2.7	5,143	5,410	5,628	5,783	-11.1
formation technology industries	39,525	39,102	39,837	+1.1	-1.8	-0.6	39,284	39,289	39,967	37,970	+3.5
ealth care equipment and products	9,685	9,737	9,881	-0.5	-1.5	+0.4	9,627	9,888	10,089	8,467	+13.7
TOTAL INVENTORIES											
manufacturing industries	466,900	471,000	471,031	-0.9	0.0	+0.5	456,189	471,705	471,645	446,131	+2.3
ket categories :											
utomotive equipment	8,660	8,577	8,364	+1.0	+2.5	+0.9	8,259	8,558	8,319	7,755	+6.5
ome goods and apparel	32,330	32,512	32,345	-0.6	+0.5	+0.7	30,846	31,307	31,774	29,226	+5.5
onsumer staples	72,888	73,913	73,416	-1.4	+0.7	+1.1	72,437	75,477	75,293	71,473	+1.3
achinery and equipment	117,673	120,435	121,725	-2.3	-1.1	+0.9	113,332	122,048	122,161	111,413	+1.7
usiness supplies	28,248	28,310	28,315	-0.2	0.0	-0.6	27,260	28,205	28,445	26,644	+2.3
onstruction materials and supplies	28,701	28,946	28,973	-0.8	-0.1	+0.5	28,135	28,658	28,663	27,689	+1.6
efense products	19,370	18,839	18,764	+2.8	+0.4	+1.4	18,603	18,662	18,898	16,442	+13.1
her materials, supplies and and intermediate products	159,030	159,468	159,129	-0.3	+0.2	0.0	157,317	158,790	158,092	155,489	+1.2
ble goods industries :											
ondefense capital goods [3]	109,732	112,381	113,708	-2.4	-1.2	+0.8	105,531	113,974	114,349	104,787	+0.7
Excluding aircraft and parts	70,837	71,713	71,729	-1.2	0.0	0.0	67,858	72,398	71,880	69,237	-2.0
efense capital goods [4]	19,915	19,242	19,077	+3.5	+0.9	+1.6	19,022	19,065	19,242	16,693	+14.0
urables excluding capital goods	165,661	166,358	165,776	-0.4	+0.4	+0.4	162,652	165,716	164,919	157,286	+3.4
ellaneous series :											
oducers' durable equipment	190,336	193,333	194,481	-1.6	-0.6	+0.6	184,221	194,503	194,599	179,571	+2.6
ousehold durable goods	16,440	16,633	16,556	-1.2	+0.5	+1.0	15,727	16,286	16,429	14,549	+8.1
formation technology industries	31,916	32,324	32,672	-1.3	-1.1	-0.3	30,247	32,777	32,841	32,528	-7.0
ealth care equipment and products	19,658	20,093	19,692	-2.2	+2.0	+0.7	19,139	20,234	19,723	17,853	+7.2

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Dec. 1997	Dec. 98/97
MATERIALS AND SUPPLIES											
All manufacturing industries	153,949	155,862	156,036	-1.2	-0.1	-0.1	153,613	155,775	156,447	150,949	+1.8
Durable goods industries	91,686	93,115	93,345	-1.5	-0.2	+0.1	91,377	93,671	93,872	89,683	+1.9
Stone, clay, and glass products	3,134	3,148	3,111	-0.4	+1.2	-0.8	3,146	3,150	3,113	3,020	+4.2
Primary metals	7,845	7,917	7,933	-0.9	-0.2	-1.8	8,133	8,089	8,102	8,177	-0.5
Fabricated metal products	10,390	10,661	10,746	-2.5	-0.8	-0.9	10,523	10,611	10,711	10,404	+1.1
Industrial machinery and equipment	19,899	19,795	19,581	+0.5	+1.1	-0.8	19,453	19,909	19,621	18,876	+3.1
Electronic and other electrical equipment	15,481	15,709	15,921	-1.5	-1.3	+2.0	15,204	15,708	16,039	15,267	-0.4
Transportation equipment	14,995	15,604	15,603	-3.9	0.0	0.0	14,859	15,598	15,482	14,378	+3.3
Instruments and related products	9,042	9,228	9,281	-2.0	-0.6	+0.3	8,874	9,179	9,257	8,605	+3.1
Lumber, furniture and miscellaneous durable goods	10,900	11,053	11,169	-1.4	-1.0	+1.2	11,185	11,427	11,547	10,956	+2.1
Nondurable goods industries	62,263	62,747	62,691	-0.8	+0.1	-0.2	62,236	62,104	62,575	61,266	+1.6
Food and kindred products	11,273	11,215	11,406	+0.5	-1.7	-0.8	11,368	11,348	11,713	11,083	+2.6
Tobacco products	5,095	5,136	5,228	-0.8	-1.8	+4.2	5,409	5,053	5,184	5,283	+2.4
Textile mill products	2,903	2,896	2,957	+0.2	-2.1	-1.1	2,847	2,795	2,863	2,915	-2.3
Paper and allied products	7,977	7,968	7,992	+0.1	-0.3	-0.8	8,024	7,896	7,970	7,899	+1.6
Chemicals and allied products	15,499	15,521	15,535	-0.1	-0.1	-0.3	15,328	15,390	15,481	14,606	+4.9
Petroleum and coal products	3,153	3,613	3,243	-12.7	+11.4	-0.7	3,094	3,583	3,241	3,698	-16.3
Rubber and plastics products	6,944	6,989	6,903	-0.6	+1.2	+1.0	7,000	6,905	6,798	6,620	+5.7
Apparel, printing and publishing and leather goods	9,419	9,409	9,427	+0.1	-0.2	-1.8	9,166	9,134	9,325	9,162	0.0
WORK IN PROCESS											
All manufacturing industries	150,606	152,304	152,848	-1.1	-0.4	+1.1	145,846	153,935	154,277	142,289	+2.5
Durable goods industries	121,345	122,509	123,446	-1.0	-0.8	+1.1	117,194	123,475	123,982	113,381	+3.4
Stone, clay, and glass products	1,383	1,365	1,356	+1.3	+0.7	+1.3	1,289	1,260	1,282	1,190	+8.3
Primary metals	8,626	8,672	8,604	-0.5	+0.8	+0.3	8,511	8,540	8,514	8,713	-2.3
Fabricated metal products	9,153	9,222	9,135	-0.7	+1.0	+1.4	8,950	9,251	9,159	8,464	+5.7
Industrial machinery and equipment	22,486	22,758	22,828	-1.2	-0.3	+0.1	21,494	23,103	22,946	21,853	-1.6
Electronic and other electrical equipment	13,730	13,914	14,112	-1.3	-1.4	0.0	13,265	13,939	14,093	13,824	-4.0
Transportation equipment	50,650	51,254	52,225	-1.2	-1.9	+2.2	48,951	52,094	52,895	44,724	+9.5
Instruments and related products	10,019	10,012	9,939	+0.1	+0.7	+1.0	9,592	10,055	9,867	9,535	+0.6
Lumber, furniture and miscellaneous durable goods	5,298	5,312	5,247	-0.3	+1.2	-0.9	5,142	5,233	5,226	5,078	+1.3
Nondurable goods industries	29,261	29,795	29,402	-1.8	+1.3	+0.8	28,652	30,460	30,295	28,908	-0.9
Food and kindred products	5,761	5,724	5,588	+0.6	+2.4	+3.0	6,194	6,377	6,352	6,316	-1.9
Tobacco products	94	92	92	+2.2	0.0	-9.8	88	105	106	91	-3.3
Textile mill products	2,611	2,621	2,644	-0.4	-0.9	-0.2	2,519	2,613	2,650	2,639	-4.5
Paper and allied products	1,658	1,579	1,551	+5.0	+1.8	-1.0	1,665	1,500	1,485	1,672	-0.4
Chemicals and allied products	8,571	9,164	8,773	-6.5	+4.5	+1.8	8,362	9,190	8,719	8,117	+3.0
Petroleum and coal products	2,349	2,451	2,627	-4.2	-6.7	-0.2	2,204	2,479	2,681	2,530	-12.9
Rubber and plastics products	2,212	2,237	2,195	-1.1	+1.9	-0.7	2,174	2,275	2,216	2,194	-0.9
Apparel, printing and publishing and leather goods	6,005	5,927	5,932	+1.3	-0.1	-0.5	5,446	5,921	6,086	5,349	+1.8
FINISHED GOODS											
All manufacturing industries	162,345	162,834	162,147	-0.3	+0.4	+0.6	156,730	161,995	160,921	152,893	+2.5
Durable goods industries	82,277	82,357	81,770	-0.1	+0.7	+0.5	78,634	81,609	80,656	75,702	+3.9
Stone, clay, and glass products	4,779	4,807	4,768	-0.6	+0.8	+0.1	4,647	4,594	4,499	4,622	+0.5
Primary metals	8,294	8,228	8,288	+0.8	-0.7	+0.5	8,190	8,093	8,078	7,895	+3.7
Fabricated metal products	11,329	11,251	11,212	+0.7	+0.3	+0.1	10,814	10,924	10,897	10,178	+6.2
Industrial machinery and equipment	18,110	18,421	18,402	-1.7	+0.1	0.0	17,433	18,551	18,143	17,435	0.0
Electronic and other electrical equipment	10,766	10,692	10,556	+0.7	+1.3	+0.9	10,106	10,649	10,524	10,011	+0.9
Transportation equipment	9,756	9,594	9,171	+1.7	+4.6	+2.0	8,905	9,584	9,266	7,775	+14.5
Instruments and related products	7,429	7,439	7,447	-0.1	-0.1	-0.5	7,177	7,595	7,635	7,003	+2.5
Lumber, furniture and miscellaneous durable goods	11,814	11,925	11,926	-0.9	0.0	+0.6	11,362	11,619	11,614	10,783	+5.4
Nondurable goods industries	80,068	80,477	80,377	-0.5	+0.1	+0.7	78,096	80,386	80,265	77,191	+1.2
Food and kindred products	20,173	20,325	20,465	-0.7	-0.7	+1.4	19,855	21,087	21,388	19,902	-0.2
Tobacco products	715	711	700	+0.6	+1.6	+5.7	801	986	864	775	+3.4
Textile mill products	4,683	4,677	4,685	+0.1	-0.2	+0.4	4,380	4,553	4,582	4,189	+4.6
Paper and allied products	6,835	6,936	6,968	-1.5	-0.5	+1.0	6,641	6,855	6,805	6,537	+1.6
Chemicals and allied products	22,062	22,190	22,048	-0.6	+0.6	-0.3	21,912	21,963	21,592	21,157	+3.6
Petroleum and coal products	4,867	4,901	4,962	-0.7	-1.2	+1.8	4,702	5,047	5,017	5,578	-15.7
Rubber and plastics products	7,635	7,631	7,580	+0.1	+0.7	+0.2	7,452	7,387	7,264	7,486	-0.5
Apparel, printing and publishing and leather goods	13,098	13,106	12,969	-0.1	+1.1	+1.2	12,353	12,508	12,753	11,567	+6.8

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Sept. 1998	Dec. 1998[p]	Nov. 1998[r]	Oct. 1998	Sept. 1998
All manufacturing industries	1.36	1.38	1.38	1.38	2.61	2.61	2.66	2.70
urable goods industries	1.51	1.53	1.54	1.54	3.06	3.06	3.12	3.17
Stone, clay, and glass products	1.12	1.13	1.13	1.14	0.79	0.79	0.81	0.83
Primary metals	1.73	1.74	1.70	1.67	2.09	2.08	2.01	2.05
Fabricated metal products	1.50	1.53	1.54	1.53	1.33	1.35	1.37	1.38
ndustrial machinery and equipment	1.63	1.66	1.64	1.66	2.10	2.09	2.10	2.17
Electronic and other electrical equipment	1.21	1.24	1.26	1.24	1.80	1.83	1.87	1.83
Transportation equipment	1.58	1.58	1.60	1.62	9.14	8.81	9.09	9.68
nstruments and related products	1.83	1.84	1.90	1.86	3.27	3.27	3.42	3.39
ondurable goods industries	1.15	1.18	1.18	1.16	0.65	0.65	0.65	0.66
Food and kindred products	0.89	0.90	0.91	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.57	1.75	1.74	1.64	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.57	1.57	1.59	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.22	1.23	1.22	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.38	1.44	1.45	1.42	(X)	(X)	(X)	(X)
Petroleum and coal products	0.93	0.99	0.94	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.25	1.28	1.26	1.25	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1998	Dec.[2] 1993-1997	Dec. 1997-Nov. 1998	Dec.[1] 1998	Dec.[2] 1993-1997	Dec. 1997-Nov. 1998	Dec.[1] 1998	Dec.[2] 1993-1997	Dec. 1997-Nov. 1998	Dec.[1] 1998	Dec.[2] 1993-1997	Dec. 1997-Nov. 1998
ll manufacturing industries	(X)	0.2	0.2	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.1	0.0
able goods industries	0.1	0.2	0.3	1.2	0.4	0.3	0.5	0.1	0.1	(X)	0.2	0.1
one, clay, and glass products	(X)	0.3	0.3	(X)	1.1	0.5	(X)	0.8	0.5	(X)	0.2	0.1
imary metals	-0.2	0.7	0.3	0.7	0.7	0.7	0.5	0.3	0.2	(X)	0.2	0.1
bricated metal products	(X)	0.7	0.3	(X)	0.6	0.4	(X)	0.5	0.2	(X)	0.3	0.1
dustrial machinery and equipment	-0.2	0.4	0.3	0.5	0.4	0.3	0.3	0.1	0.1	(X)	0.1	0.1
ectronic and other electrical equipment	0.6	0.5	0.5	0.3	0.5	1.1	-0.3	0.2	0.5	(X)	0.2	0.2
ansportation equipment	-0.5	0.6	0.7	2.9	1.7	0.9	0.7	0.3	0.0	(X)	0.6	0.2
struments and related products	(X)	0.4	0.5	(X)	1.4	1.2	(X)	0.2	0.2	(X)	0.3	0.1
ndurable goods industries	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.1	0.0
od and kindred products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
bacco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
xtile mill products	(X)	0.7	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.2
per and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
troleum and coal products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.4
bber and plastics products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0
ital goods industries :												
ondefense	0.2	0.3	0.3	2.6	0.7	0.4	0.5	0.2	0.1	(X)	0.5	0.1
efense	-3.1	1.0	0.6	8.1	8.2	2.2	1.0	0.4	0.1	(X)	0.6	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

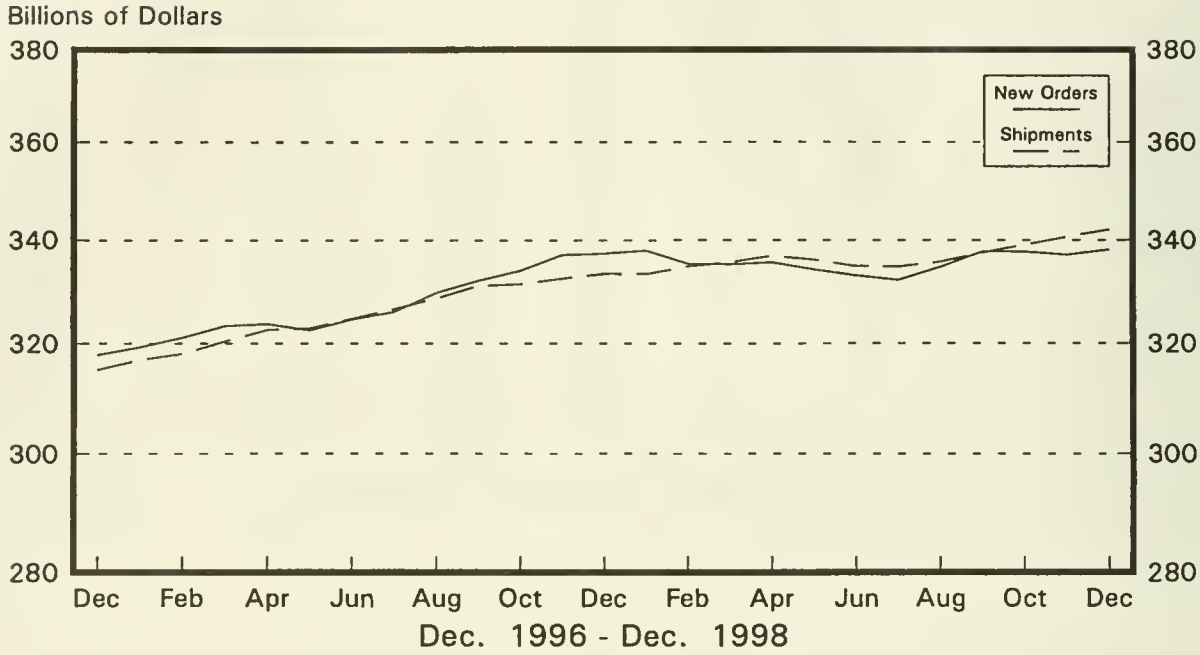
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

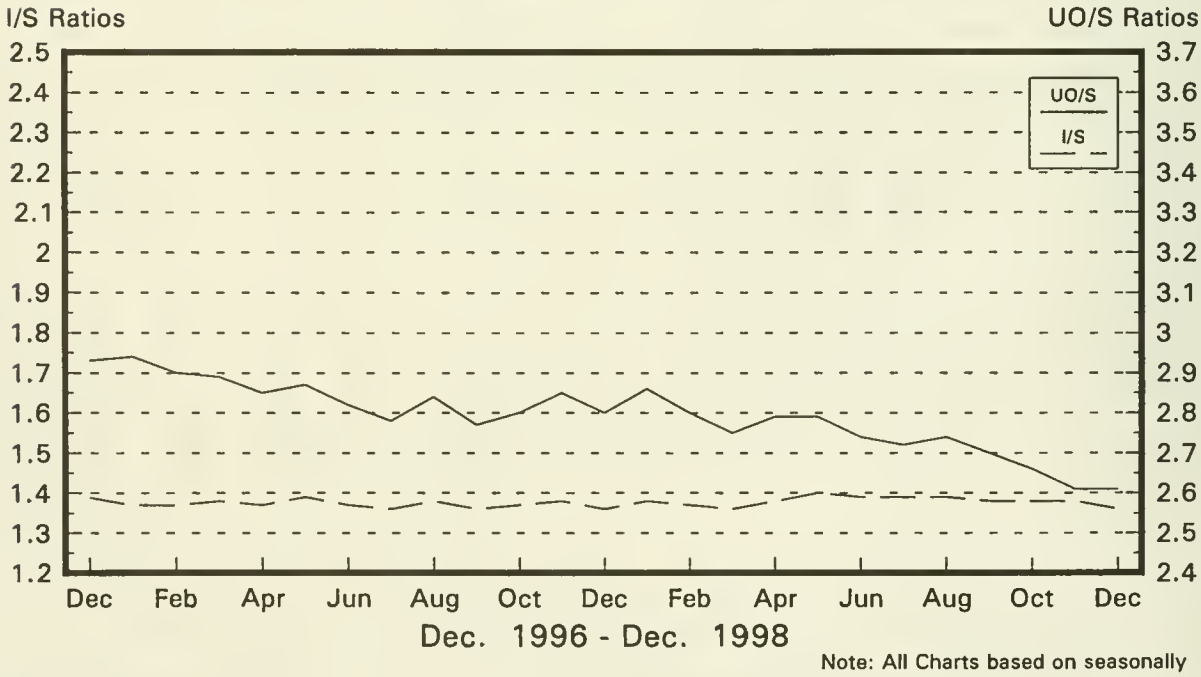
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

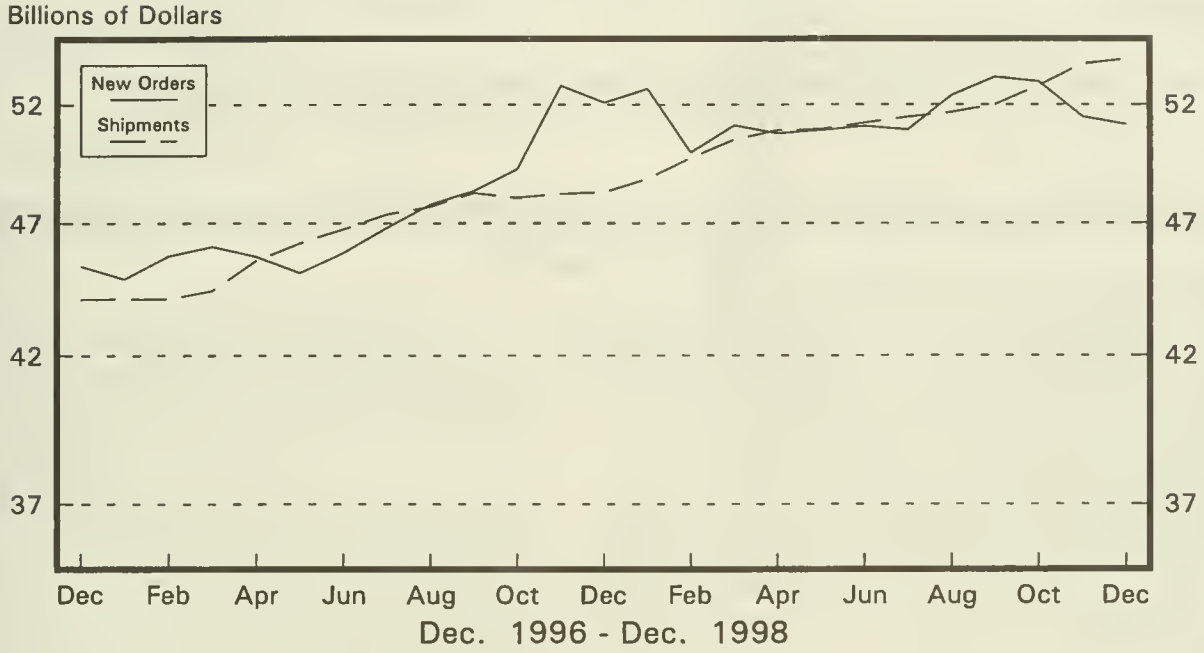
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

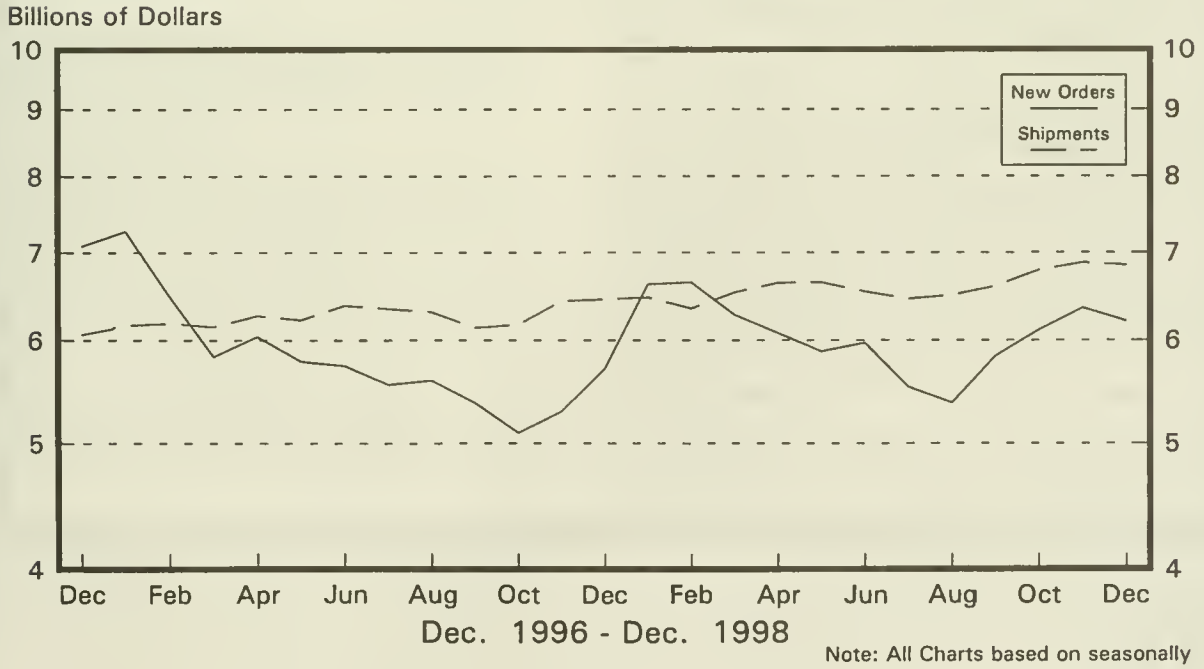
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998/1999 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
December 1998	Thur., Jan. 28	Thur., Feb 4
January 1999	Thur., Feb. 25	Thur., Mar. 4
February 1999	Wed., Mar. 24	Wed., Mar. 31
March 1999	Wed., Apr. 28	Wed., May 5
April 1999	Wed ., May 26	Thur., June 3
May 1999	Thur, June 24	Fri, July 2
June 1999	Wed., July 28	Wed., Aug. 4
July 1999	Wed., Aug. 25	Thur., Sep. 2
August 1999	Wed., Sept. 29	Wed., Oct. 6
September 1999	Wed., Oct. 27	Wed., Nov. 3
October 1999	Tues., Nov. 23	Fri., Dec. 3
November 1999	Thur, Dec. 23	

58: M 3-1- (99)-01

Manufacturers' Shipments, Inventories, and Orders

Industrial Reports, Manufacturers' Shipments,
ies, and Orders, M3-1-(99)-01, January 1999

Department of Commerce
omics and Statistics Administration
AU OF THE CENSUS

January 1999
M3-1-(99)-01
For Wire Transmissions 10:00 a.m. E.S.T. March 4, 1999

Data - (301) 457-4673
Questions - Kathy Menth or Lee Wentela
) 457-4804 or (301) 457-4852

MAY 25 1999

Note: All figures in text are in seasonally adjusted current dollars

mary

New orders for manufactured goods in January increased $5.8 n or 1.7 percent to $349.6 billion, the Department of Commerce, au of the Census reported today. This follows a 2.3 percent mber increase and is the seventh increase in the last eight hs. Excluding transportation, new orders decreased 0.3 percent, irst decline since October. New orders for January 1999 are 3.9 nt above January 1998.

Shipments decreased $2.6 billion or 0.8 percent to $341.5 n, following a 0.8 percent December increase. This is the first ne since October. Shipments for January 1999 are 2.9 percent e January 1998.

Unfilled orders, up for the first month since August, increased billion or 1.6 percent to $527.2 billion, the largest increase since .1 percent increase in November 1997. This follows a 0.1 nt December decrease. The unfilled orders-to-shipments ratio .67, up from 2.61 in December.

Inventories decreased $1.2 billion or 0.3 percent to $465.6 n. This is the third consecutive monthly decline following 10 cutive monthly increases. The inventories-to-shipments ratio .36, unchanged from December.

Orders

New orders for manufactured durable goods in January sed $7.0 billion or 3.6 percent to $202.6 billion, revised from eviously published 3.9 percent increase. This follows a 3.4 nt December increase and is the largest increase since the 4.4 nt increase in November 1997.

Transportation equipment, up for the third consecutive month, sed $6.8 billion or 14.7 percent to $53.0 billion, due to aircraft rts. This follows a 2.5 percent December increase. Electronic ther electrical equipment, up four of the last five months, sed $1.7 billion or 4.9 percent to $35.5 billion. This follows percent December increase. Industrial machinery and nent, down for the first month since October, decreased $1.1 or 2.9 percent to $37.1 billion. This follows a 7.4 percent ber increase.

New orders for nondurable goods, down for the first month October, decreased $1.2 billion or 0.8 percent to $147.0 billion. ollows a 1.0 percent December increase. Chemicals and allied cts had the largest decrease.

nents

Shipments of durable goods in January decreased $0.9 billion percent to $194.6 billion, revised from the previously hed slight decline. This follows a 0.4 percent December se and is the first decrease since May.

Industrial machinery and equipment, had the largest decrease, $0.5 billion or 1.3 percent to $36.4 billion. This follows a 0.7 percent December increase. Transportation equipment decreased $0.2 billion or 0.5 percent to $47.7 billion, following a 0.9 percent December decrease. Electronic and other electrical equipment, up seven of the last eight months, increased $0.2 billion or 0.7 percent to $33.2 billion, following a 1.1 percent December increase.

Shipments of nondurable goods, down for the first month since October, decreased $1.7 billion or 1.2 percent to $146.8 billion. This follows a 1.3 percent December increase. Chemicals and allied products, down for the first month since October, decreased $1.4 billion or 4.3 percent to $32.1 billion, following a 3.2 percent December increase.

Unfilled Orders

Unfilled orders for durable goods in January increased $8.0 billion or 1.6 percent to $503.1 billion, unrevised from the previously published 1.6 percent increase. This follows a slight December increase. Transportation equipment, up for the first month since August, had the largest increase, $5.3 billion or 2.2 percent to $248.5 billion. This follows a 0.7 percent December decrease. Electronic and other electrical equipment, up four of the last five months, increased $2.3 billion or 3.8 percent to $62.8 billion. This follows a 1.4 percent December increase. Primary metals, down ten of the last eleven months, decreased $0.7 billion or 2.3 percent to $28.9 billion. This follows a 0.5 percent December decrease.

Inventories

Inventories of durable goods in January decreased $1.6 billion or 0.5 percent to $293.7 billion, following a 0.9 percent December decrease. This is the third consecutive decrease. Transportation equipment, down for the third consecutive month, decreased $1.7 billion or 2.3 percent to $74.0 billion, following a 1.0 percent December decrease. Electronic and other electrical equipment, down for the third consecutive month, decreased $0.3 billion or 0.9 percent to $39.4 billion, following a 1.3 percent December decline. Primary metals, down for the fourth consecutive month, decreased $0.2 billion or 1.0 percent to $24.4 billion, following a 0.6 percent December decline. Fabricated metal products, up seven of the last eight months, increased $0.2 billion or 0.7 percent to $31.1 billion. This follows a 0.9 percent December decrease.

Inventories of nondurable goods, up four of the last five months, increased $0.4 billion or 0.2 percent to $171.8 billion, following a 0.9 percent December decrease. Petroleum and allied products, up four of the last five months, increased $0.3 billion or 3.0 percent to $10.6 billion, following a 6.5 percent December decrease.

By stage of fabrication, January finished goods decreased 0.1 percent in durables and increased 0.1 percent in nondurables. Work in process decreased 1.5 percent in durables and increased 1.1 percent in nondurables. Materials and supplies increased 0.3 percent in durables and decreased slightly in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

ance report on durable goods for February is scheduled for March 24, 1999 at 8:30 a.m. and the full report on March 31, 1999 at 10:00 a.m. For sale by the Superintendent of nts, U.S. Government Printing Office, Washington, DC 20402. See back page for 1999 Release Dates. This report is available on the day of issue through the Department of rce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to dat	
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan 1998	Jan. 99/98	1999[p]	1
All manufacturing industries	341,455	344,088	341,423	-0.8	+0.8	+0.4	306,944	342,262	341,167	298,705	+2.8	306,944	298
Manufacturing Industries													
with unfilled orders	197,503	198,572	198,659	-0.5	0.0	+0.7	173,347	204,497	199,576	166,713	+4.0	173,347	166
without defense capital goods	334,736	337,546	334,469	-0.8	+0.9	+0.4	301,461	334,676	334,015	293,460	+2.7	301,461	293
Durable goods industries	194,625	195,531	194,823	-0.5	+0.4	+0.5	170,479	198,280	194,672	159,937	+6.6	170,479	159
With unfilled orders	160,444	161,454	161,668	-0.6	-0.1	+0.7	139,223	167,916	161,677	131,731	+5.7	139,223	131
Stone, clay, and glass products	8,280	8,317	8,236	-0.4	+1.0	+1.1	7,206	7,402	8,044	6,674	+8.0	7,206	6
Primary metals	14,290	14,222	14,286	+0.5	-0.4	-2.1	13,580	12,997	13,914	15,000	-9.5	13,580	15
Blast furnaces, steel mills	5,397	5,359	5,551	+0.7	-3.5	-3.1	5,247	4,900	5,319	6,339	-17.2	5,247	6
Iron and steel foundries	1,529	1,569	1,515	-2.5	+3.6	+1.7	1,402	1,323	1,473	1,349	+3.9	1,402	1
Nonferrous and other primary metals	7,364	7,294	7,220	+1.0	+1.0	-2.0	6,931	6,774	7,122	7,312	-5.2	6,931	7
Fabricated metal products	20,348	20,523	20,415	-0.9	+0.5	+1.2	18,268	19,152	20,227	17,312	+5.5	18,268	17
Industrial machinery and equipment	36,379	36,875	36,623	-1.3	+0.7	-1.0	30,164	40,163	34,464	30,254	-0.3	30,164	30
Engines and turbines	2,304	2,332	2,413	-1.2	-3.4	+0.9	1,891	2,900	2,359	1,687	+12.1	1,891	
Farm and garden machinery	1,928	1,761	1,678	+9.5	+4.9	-4.8	1,732	1,270	1,237	1,844	-6.1	1,732	
Construction, mining and material handling equipment	3,925	3,992	4,035	-1.7	-1.1	-1.5	3,455	3,849	3,765	3,674	-6.0	3,455	
Metalworking machinery	3,375	3,500	3,703	-3.6	-5.5	+2.3	2,580	3,673	4,146	2,682	-3.8	2,580	
Computer and office equipment	10,956	11,017	11,063	-0.6	-0.4	-1.3	8,002	14,670	10,170	7,498	+6.7	8,002	
Electronic and other electrical equipment	33,237	33,006	32,634	+0.7	+1.1	+1.3	28,071	36,962	33,995	24,951	+12.5	28,071	2
Electrical transmission and distribution equipment and industrial apparatus	3,742	3,810	3,605	-1.8	+5.7	-0.1	3,274	3,808	3,467	3,147	+4.0	3,274	
Household appliances	2,228	2,240	2,149	-0.5	+4.2	+4.8	1,822	2,204	2,084	1,650	+10.4	1,822	
Electric lighting and wiring equipment	2,248	2,434	2,258	-7.6	+7.8	+0.4	1,973	2,622	2,352	1,958	+0.8	1,973	
Household audio and video equipment	1,170	1,124	1,017	+4.1	+10.5	+1.0	956	1,123	1,270	810	+18.0	956	
Communications equipment	8,150	7,621	7,533	+6.9	+1.2	+2.3	6,192	10,708	7,630	4,942	+25.3	6,192	
Electronic components	13,528	13,539	13,681	-0.1	-1.0	+0.3	12,067	14,293	14,217	10,681	+13.0	12,067	1
Transportation equipment	47,660	47,908	48,324	-0.5	-0.9	+0.6	42,756	46,660	49,747	36,878	+15.9	42,756	3
Motor vehicles and parts	32,087	32,169	31,581	-0.3	+1.9	0.0	30,117	28,329	32,539	26,100	+15.4	30,117	2
Aircraft, missiles, space vehicles, and parts	12,485	12,043	13,215	+3.7	-8.9	+3.3	10,066	14,685	13,657	8,587	+17.2	10,066	
Shipbuilding and tanks	1,109	914	1,283	+21.3	-28.8	-11.9	845	1,090	1,322	607	+39.2	845	
Instruments and related products	14,149	14,371	14,517	-1.5	-1.0	+3.4	12,419	15,423	14,516	12,181	+2.0	12,419	1
Search and navigation equipment	3,134	3,254	3,296	-3.7	-1.3	+3.6	2,695	3,508	3,286	2,557	+5.4	2,695	
Measuring and controlling devices	4,206	3,992	4,230	+5.4	-5.6	+7.7	3,773	4,228	4,253	3,701	+1.9	3,773	
Medical instruments and supplies	4,560	4,792	4,554	-4.8	+5.2	+0.7	4,083	5,328	4,406	3,987	+2.4	4,083	
Photographic goods	1,811	1,872	1,956	-3.3	-4.3	+0.2	1,480	1,909	2,096	1,533	-3.5	1,480	
All other durable goods	20,282	20,309	19,788	-0.1	+2.6	+0.9	18,015	19,521	19,765	16,687	+8.0	18,015	1
Nondurable goods industries	146,830	148,557	146,600	-1.2	+1.3	+0.2	136,465	143,984	146,495	138,768	-1.7	136,465	13
With unfilled orders	37,059	37,118	36,991	-0.2	+0.3	+0.6	34,124	36,581	37,899	34,982	-2.5	34,124	3
Food and kindred products	41,513	41,585	41,387	-0.2	+0.5	+0.1	38,992	40,952	42,172	38,163	+2.2	38,992	3
Meat products	8,572	8,572	8,691	0.0	-1.4	0.0	8,015	8,391	8,802	8,040	-0.3	8,015	
Dairy products	6,763	6,944	6,755	-2.6	+2.8	+4.5	6,583	6,868	6,909	5,635	+16.8	6,583	
Beverages	6,230	6,151	6,028	+1.3	+2.0	-1.8	5,379	5,753	5,724	5,284	+1.8	5,379	
All other foods, except fats and oils	18,003	17,762	17,784	+1.4	-0.1	-1.0	17,070	17,784	18,608	17,119	-0.3	17,070	1
Tobacco products	3,922	3,817	3,398	+2.8	+12.3	-2.0	3,816	3,912	3,346	2,923	+30.6	3,816	
Textile mill products	6,581	6,472	6,498	+1.7	-0.4	-0.8	5,763	5,825	6,533	6,283	-8.3	5,763	
Broadwoven fabrics and other textiles	3,854	3,810	3,852	+1.2	-1.1	-1.2	3,473	3,561	3,741	3,901	-11.0	3,473	
Paper and allied products	13,524	13,669	13,489	-1.1	+1.3	+0.5	13,003	13,287	13,265	13,576	-4.2	13,003	1
Pulp, paper, and paperboard mill products	5,197	5,061	5,051	+2.7	+0.2	-1.2	4,998	4,973	5,026	5,378	-7.1	4,998	
Paperboard containers and boxes	3,451	3,593	3,504	-4.0	+2.5	+2.0	3,322	3,361	3,430	3,493	-4.9	3,322	
Miscellaneous converted paper products	4,876	5,015	4,934	-2.8	+1.6	+1.2	4,683	4,953	4,809	4,705	-0.5	4,683	
Chemicals and allied products	32,144	33,581	32,533	-4.3	+3.2	+1.8	30,675	33,291	31,044	31,326	-2.1	30,675	2
Industrial chemicals	14,634	14,817	14,439	-1.2	+2.6	-1.0	14,052	14,189	13,884	15,144	-7.2	14,052	1
Drugs, soaps, and toiletries	13,738	14,791	14,309	-7.1	+3.4	+5.6	13,263	15,814	14,146	12,733	+4.2	13,263	1
Petroleum and coal products	10,422	10,901	11,043	-4.4	-1.3	-4.0	9,243	10,655	11,080	11,944	-22.6	9,243	1
Rubber and plastics products	13,205	13,400	13,209	-1.5	+1.4	-0.3	12,211	12,007	12,688	12,171	+0.3	12,211	1
All other nondurable goods	25,519	25,132	25,043	+1.5	+0.4	+0.9	22,762	24,068	26,367	22,382	+1.7	22,762	2

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan. 1998	Jan. 99/98	1999[p]	1998
ll manufacturing industries	349,607	343,823	335,930	+1.7	+2.3	+0.4	325,085	340,256	333,218	310,926	+4.6	325,085	310,926
ufacturing industries													
h unfilled orders	205,655	198,307	193,166	+3.7	+2.7	+0.7	191,488	202,667	191,627	178,934	+7.0	191,488	178,934
hout defense capital goods	341,419	336,374	330,273	+1.5	+1.8	+0.6	316,563	329,918	327,279	303,698	+4.2	316,563	303,698
ble goods industries	202,577	195,574	189,193	+3.6	+3.4	+0.4	188,037	196,922	186,550	172,138	+9.2	188,037	172,138
th unfilled orders	168,396	161,497	156,038	+4.3	+3.5	+0.5	156,781	166,558	153,555	143,932	+8.9	156,781	143,932
e, clay, and glass products	8,347	8,289	8,195	+0.7	+1.1	+2.0	7,415	7,405	7,934	6,852	+8.2	7,415	6,852
ary metals	13,599	14,087	14,587	-3.5	-3.4	+9.3	13,950	13,768	14,140	15,993	-12.8	13,950	15,993
ast furnaces, steel mills	4,906	5,331	5,572	-8.0	-4.3	+13.4	5,359	5,268	5,353	6,870	-22.0	5,359	6,870
n and steel foundries	1,424	1,433	1,568	-0.6	-8.6	+4.3	1,403	1,293	1,515	1,478	-5.1	1,403	1,478
nferrous and other primary													
etals	7,269	7,323	7,447	-0.7	-1.7	+7.5	7,188	7,207	7,272	7,645	-6.0	7,188	7,645
cated metal products	20,607	20,460	20,235	+0.7	+1.1	+0.7	18,891	19,079	19,790	17,762	+6.4	18,891	17,762
trial machinery and equipment	37,117	38,243	35,593	-2.9	+7.4	+0.3	31,795	40,982	33,930	31,101	+2.2	31,795	31,101
gines and turbines	2,732	3,756	2,308	-27.3	+62.7	-16.6	2,186	4,202	2,457	1,633	+33.9	2,186	1,633
nstruction, mining and													
aterial handling equipment	3,879	4,082	3,817	-5.0	+6.9	+1.8	3,743	4,072	3,486	4,112	-9.0	3,743	4,112
talworking machinery	3,489	3,188	3,567	+9.4	-10.6	+5.6	2,694	3,361	4,010	2,706	-0.4	2,694	2,706
mputer and office equipment	11,003	11,555	10,944	-4.8	+5.6	0.0	8,016	14,761	10,135	7,453	+7.6	8,016	7,453
onic and other													
trical equipment	35,513	33,859	31,933	+4.9	+6.0	-4.2	35,063	34,946	31,022	29,788	+17.7	35,063	29,788
ctrical transmission and													
tribution equipment and													
lustrial apparatus	3,668	3,803	3,536	-3.5	+7.6	-3.0	3,367	3,740	3,342	3,175	+6.0	3,367	3,175
ctric lighting and													
iring equipment	2,398	2,537	2,171	-5.5	+16.9	-4.4	2,123	2,725	2,265	1,975	+7.5	2,123	1,975
nmunications equipment	8,318	7,364	7,313	+13.0	+0.7	-5.7	6,320	10,472	7,423	6,144	+2.9	6,320	6,144
ctronic components	15,528	14,415	13,137	+7.7	+9.7	-7.2	18,065	12,526	11,702	13,823	+30.7	18,065	13,823
portation equipment	52,962	46,166	45,024	+14.7	+2.5	+0.3	50,089	46,056	46,476	41,302	+21.3	50,089	41,302
craft, missiles,													
pace vehicles, and parts.	15,906	7,848	9,962	102.7	-21.2	+3.4	15,043	11,637	10,449	12,536	+20.0	15,043	12,536
ipbuilding and tanks	2,075	2,351	754	-11.7	211.8	-61.1	1,852	2,420	803	749	147.3	1,852	749
ments and related products	14,268	14,113	13,920	+1.1	+1.4	+2.0	12,822	15,629	13,844	12,415	+3.3	12,822	12,415
rch and navigation equipment	3,069	2,926	2,902	+4.9	+0.8	+5.8	2,684	3,857	2,918	2,393	+12.2	2,684	2,393
asuring and controlling devices	4,179	4,082	4,111	+2.4	-0.7	+4.6	3,746	4,318	4,134	3,871	-3.2	3,746	3,871
lical instruments and supplies	4,776	4,770	4,410	+0.1	+8.2	-3.4	4,553	5,067	4,206	4,263	+6.8	4,553	4,263
ner durable goods	20,164	20,357	19,706	-0.9	+3.3	+0.1	18,012	19,057	19,414	16,925	+6.4	18,012	16,925
rable goods industries	147,030	148,249	146,737	-0.8	+1.0	+0.4	137,048	143,526	146,668	138,788	-1.3	137,048	138,788
unfilled orders	37,259	36,810	37,128	+1.2	-0.9	+1.4	34,707	36,109	38,072	35,002	-0.8	34,707	35,002

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ipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar e from the prior month to the current month.

e : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), facturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Pe ch
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan. 1998	9
All manufacturing industries	527,190	519,038	519,303	+1.6	-0.1	-1.0	531,127	512,986	514,816	543,779	
Manufacturing industries without defense capital goods	429,774	423,091	424,263	+1.6	-0.3	-1.0	432,375	417,273	421,855	439,580	
Durable goods industries	503,124	495,172	495,129	+1.6	0.0	-1.1	507,598	490,040	491,398	518,535	
Stone, clay, and glass products	6,288	6,221	6,249	+1.1	-0.4	-0.7	6,280	6,071	6,068	6,354	
Primary metals	28,863	29,554	29,689	-2.3	-0.5	+1.0	29,217	28,847	28,076	35,331	-
Blast furnaces, steel mills	10,939	11,430	11,458	-4.3	-0.2	+0.2	11,147	11,035	10,667	14,889	-
Iron and steel foundries	5,353	5,458	5,594	-1.9	-2.4	+1.0	5,353	5,352	5,382	5,605	
Nonferrous and other primary metals	12,571	12,666	12,637	-0.8	+0.2	+1.8	12,717	12,460	12,027	14,837	-
Fabricated metal products	26,153	25,894	25,957	+1.0	-0.2	-0.7	26,057	25,434	25,507	26,800	
Industrial machinery and equipment	75,198	74,460	73,092	+1.0	+1.9	-1.4	76,072	74,441	73,622	74,272	
Engines and turbines	18,510	18,082	16,658	+2.4	+8.5	-0.6	19,020	18,725	17,423	12,480	+
Construction, mining and material handling equipment	9,794	9,840	9,750	-0.5	+0.9	-2.2	9,921	9,633	9,410	10,804	
Metalworking machinery	6,560	6,446	6,758	+1.8	-4.6	-2.0	6,560	6,446	6,758	7,173	
Computer and office equipment	8,211	8,164	7,626	+0.6	+7.1	-1.5	7,955	7,941	7,850	7,587	
Electronic and other electrical equipment	62,806	60,530	59,677	+3.8	+1.4	-1.2	64,798	57,806	59,822	58,143	+
Electrical transmission and distribution equipment and industrial apparatus	6,285	6,359	6,366	-1.2	-0.1	-1.1	6,274	6,181	6,249	6,546	
Electric lighting and wiring equipment	5,172	5,022	4,919	+3.0	+2.1	-1.7	5,172	5,022	4,919	4,944	
Communications equipment	17,201	17,033	17,290	+1.0	-1.5	-1.3	17,185	17,057	17,293	15,533	+
Electronic components	27,858	25,858	24,982	+7.7	+3.5	-2.1	29,653	23,655	25,422	24,682	+
Transportation equipment	248,507	243,205	244,947	+2.2	-0.7	-1.3	249,917	242,584	243,188	258,941	
Aircraft, missiles, space vehicles, and parts	207,855	204,434	208,629	+1.7	-2.0	-1.5	208,985	204,008	207,056	222,069	
Shipbuilding and tanks	20,339	19,373	17,936	+5.0	+8.0	-2.9	20,329	19,322	17,992	18,572	
Instruments and related products	47,268	47,149	47,407	+0.3	-0.5	-1.2	47,588	47,185	46,979	50,363	
Search and navigation equipment	26,195	26,260	26,588	-0.2	-1.2	-1.5	26,417	26,428	26,079	29,079	
Measuring and controlling devices	10,158	10,185	10,095	-0.3	+0.9	-1.2	10,158	10,185	10,095	11,023	
Medical instruments and supplies	9,891	9,675	9,697	+2.2	-0.2	-1.5	10,056	9,586	9,847	8,700	+
All other durable goods	8,041	8,159	8,111	-1.4	+0.6	-1.0	7,669	7,672	8,136	8,331	
Nondurable goods industries	24,066	23,866	24,174	+0.8	-1.3	+0.6	23,529	22,946	23,418	25,244	

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan. 1998	Jan. 99/98
manufacturing industries	465,567	466,798	471,000	-0.3	-0.9	0.0	463,211	456,330	471,705	456,534	+1.5
ıfacturing industries unfilled orders	310,958	312,714	315,446	-0.6	-0.9	-0.3	307,819	303,508	315,357	302,730	+1.7
ɔut defense capital goods	447,011	446,980	451,758	0.0	-1.1	0.0	445,021	437,311	452,640	438,989	+1.4
ɔle goods industries	293,743	295,344	297,981	-0.5	-0.9	-0.2	291,848	287,415	298,755	286,702	+1.8
h unfilled orders	269,583	271,246	273,905	-0.6	-1.0	-0.3	267,171	263,500	274,436	262,801	+1.7
, clay, and glass products	9,396	9,331	9,320	+0.7	+0.1	+0.9	9,416	9,103	9,004	9,095	+3.5
ıry metals	24,441	24,679	24,817	-1.0	-0.6	0.0	24,507	24,797	24,722	24,847	-1.4
st furnaces, steel mills	11,953	12,057	12,175	-0.9	-1.0	-1.1	12,092	12,319	12,271	11,984	+0.9
ı and steel foundries	1,605	1,580	1,579	+1.6	+0.1	+0.2	1,596	1,541	1,539	1,562	+2.2
ıferrous and other primary etals	10,883	11,042	11,063	-1.4	-0.2	+1.2	10,819	10,937	10,912	11,301	-4.3
:ated metal products	31,061	30,855	31,134	+0.7	-0.9	+0.1	30,863	30,278	30,786	29,620	+4.2
rial machinery and equipment	60,677	60,532	60,974	+0.2	-0.7	+0.3	60,282	58,415	61,563	59,767	+0.9
;ines and turbines	4,082	3,871	4,045	+5.5	-4.3	+2.2	3,962	3,583	4,263	4,187	-5.4
m and garden machinery	3,771	3,867	3,889	-2.5	-0.6	+1.1	4,136	4,062	3,948	3,986	+3.8
ıstruction, mining and terial handling equipment	9,133	9,048	9,017	+0.9	+0.3	+1.3	9,143	8,826	9,005	8,206	+11.4
talworking machinery	7,955	7,929	7,812	+0.3	+1.5	-0.2	7,682	7,443	7,729	7,005	+9.7
nputer and office equipment	8,960	9,064	9,090	-1.1	-0.3	-0.6	8,706	8,343	9,388	10,078	-13.6
ɔnic and other rical equipment	39,444	39,786	40,315	-0.9	-1.3	-0.7	39,042	38,377	40,296	40,449	-3.5
:trical transmission and tribution equipment and ustrial apparatus	5,445	5,535	5,386	-1.6	+2.8	+1.0	5,437	5,421	5,424	5,595	-2.8
ısehold appliances	2,406	2,404	2,437	+0.1	-1.4	-0.1	2,353	2,163	2,369	2,256	+4.3
:tric lighting and ring equipment	3,443	3,460	3,509	-0.5	-1.4	-0.8	3,366	3,274	3,528	3,334	+1.0
ısehold audio and eo equipment	1,023	1,028	1,084	-0.5	-5.2	+0.6	983	952	1,047	930	+5.7
ımunications equipment	9,433	9,785	10,121	-3.6	-3.3	-2.6	9,387	9,420	10,272	10,712	-12.4
:tronic components	13,932	13,914	14,123	+0.1	-1.5	-0.3	13,859	13,674	14,098	14,176	-2.2
ɔortation equipment	73,956	75,701	76,452	-2.3	-1.0	-0.7	73,291	73,157	77,276	69,975	+4.7
or vehicles and parts	17,148	17,419	17,240	-1.6	+1.0	+2.9	17,098	16,893	17,299	16,228	+5.4
:raft, missiles, ace vehicles, and parts.	50,980	52,656	53,582	-3.2	-1.7	-1.8	50,367	50,776	54,357	48,253	+4.4
ɔbuilding and tanks	1,880	1,942	1,768	-3.2	+9.8	-2.4	1,909	1,920	1,755	1,733	+10.2
nents and related products	26,477	26,515	26,679	-0.1	-0.6	0.0	25,916	25,683	26,829	25,529	+1.5
·ch and navigation equipment	6,560	6,573	6,701	-0.2	-1.9	-1.0	6,384	6,391	6,677	6,402	-0.3
ısuring and controlling devices	8,046	8,079	7,993	-0.4	+1.1	-0.2	7,932	7,855	7,997	7,957	-0.3
lical instruments and supplies	8,427	8,441	8,583	-0.2	-1.7	+1.0	8,329	8,244	8,725	8,113	+2.7
tographic goods	2,696	2,678	2,661	+0.7	+0.6	+0.3	2,534	2,454	2,683	2,390	+6.0
ıer durable goods	28,291	27,945	28,290	+1.2	-1.2	-0.2	28,531	27,605	28,279	27,420	+4.1
rable goods industries	171,824	171,454	173,019	+0.2	-0.9	+0.3	171,363	168,915	172,950	169,832	+0.9
ı unfilled orders	41,375	41,468	41,541	-0.2	-0.2	-0.1	40,648	40,008	40,921	39,929	+1.8
ınd kindred products	37,577	37,299	37,264	+0.7	+0.1	-0.5	37,947	37,488	38,812	37,739	+0.6
ıt products	4,125	4,078	4,044	+1.2	+0.8	0.0	4,090	3,837	4,002	4,101	-0.3
y products	3,869	3,746	3,804	+3.3	-1.5	+0.2	3,822	3,527	3,696	3,656	+4.5
erages	8,368	8,347	8,330	+0.3	+0.2	+1.5	8,368	8,270	8,528	8,010	+4.5
other foods, except fats and oils	19,359	19,254	19,174	+0.5	+0.4	-1.0	19,719	19,943	20,551	19,939	-1.1
co products	5,727	5,867	5,939	-2.4	-1.2	-1.3	6,235	6,297	6,144	6,497	-4.0
: mill products	10,093	10,180	10,194	-0.9	-0.1	-0.9	10,058	9,756	9,961	10,157	-1.0
ıdwoven fabrics and ıer textiles	6,316	6,348	6,363	-0.5	-0.2	-0.7	6,344	6,134	6,283	6,396	-0.8
and allied products	16,181	16,362	16,483	-1.1	-0.7	-0.2	16,224	16,254	16,251	16,427	-1.2
ɔ, paper, and perboard mill products	6,613	6,711	6,746	-1.5	-0.5	-0.3	6,663	6,680	6,686	6,668	-0.1
erboard containers and boxes	3,978	4,067	4,179	-2.2	-2.7	-0.7	3,994	4,070	4,077	4,165	-4.1
cellaneous converted per products	5,590	5,584	5,558	+0.1	+0.5	+0.4	5,567	5,504	5,488	5,594	-0.5
cals and allied products	46,472	46,217	46,875	+0.6	-1.4	+1.1	46,264	45,696	46,543	44,629	+3.7
ıstrial chemicals	19,650	19,802	19,872	-0.8	-0.4	-0.2	19,800	19,910	19,649	20,385	-2.9
gs, soaps, and toiletries	20,995	20,634	21,254	+1.7	-2.9	+2.9	20,355	20,000	21,255	18,600	+9.4
:um and coal products	10,562	10,254	10,965	+3.0	-6.5	+1.2	10,286	9,863	11,109	11,139	-7.7
r and plastics products	16,782	16,766	16,857	+0.1	-0.5	+1.1	16,921	16,597	16,567	16,710	+1.3
ıer nondurable goods	28,430	28,509	28,442	-0.3	+0.2	+0.4	27,428	26,964	27,563	26,534	+3.4

reliminary. [r] Revised.

: note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1999[p]	Dec 1998[r]	Nov 1998	Dec.-Jan	Nov.-Dec.	Oct.-Nov.	Jan 1999[p]	Dec. 1998[r]	Nov 1998	Jan. 1998	Jan. 99/98	1999[p]	199
SHIPMENTS													
All manufacturing industries	341,455	344,088	341,423	-0.8	+0.8	+0.4	306,944	342,262	341,167	298,705	+2.8	306,944	298,7
Market categories :													
Automotive equipment	15,563	15,588	15,221	-0.2	+2.4	-0.1	14,335	13,775	15,723	12,451	+15.1	14,335	12,4
Home goods and apparel	19,714	19,303	18,692	+2.1	+3.3	+1.1	16,805	17,296	19,421	16,060	+4.6	16,805	16,0
Consumer staples	69,209	70,411	69,370	-1.7	+1.5	+0.7	65,011	71,018	70,000	64,350	+1.0	65,011	64,3
Machinery and equipment	66,317	67,287	66,847	-1.4	+0.7	+0.2	55,329	74,549	65,851	51,381	+7.7	55,329	51,3
Business supplies	25,421	25,653	25,506	-0.9	+0.6	+0.2	23,145	25,334	26,017	23,223	-0.3	23,145	23,2
Construction materials and supplies	22,002	22,332	21,914	-1.5	+1.9	+0.9	19,275	20,675	21,480	18,467	+4.4	19,275	18,4
Defense products	6,937	6,825	7,250	+1.6	-5.9	-0.3	5,754	7,720	7,364	5,624	+2.3	5,754	5,6
Other materials, supplies and and intermediate products	116,292	116,689	116,623	-0.3	+0.1	+0.2	107,290	111,849	115,311	107,149	+0.1	107,290	107,1
Durable goods industries :													
Nondefense capital goods [3]	53,302	54,070	54,200	-1.4	-0.2	+0.6	43,050	63,431	52,882	40,121	+7.3	43,050	40,1
Excluding aircraft and parts	44,519	45,380	44,716	-1.9	+1.5	-0.6	35,945	52,789	43,142	34,304	+4.8	35,945	34,3
Defense capital goods [4]	6,719	6,542	6,954	+2.7	-5.9	-1.6	5,483	7,586	7,152	5,245	+4.5	5,483	5,2
Durables excluding capital goods	134,604	134,919	133,669	-0.2	+0.9	+0.6	121,946	127,263	134,638	114,571	+6.4	121,946	114,5
Miscellaneous series :													
Producers' durable equipment	127,186	128,374	127,091	-0.9	+1.0	+0.5	110,403	131,736	127,037	101,729	+8.5	110,403	101,7
Household durable goods	9,853	9,811	9,416	+0.4	+4.2	+1.9	8,295	9,585	9,886	7,642	+8.5	8,295	7,6
Information technology industries	26,062	25,406	25,696	+2.6	-1.1	+1.6	20,274	32,469	25,047	18,380	+10.3	20,274	18,3
Health care equipment and products	12,028	12,819	12,320	-6.2	+4.1	+3.7	11,287	13,884	12,081	10,900	+3.6	11,287	10,9
NEW ORDERS													
All manufacturing industries	349,607	343,823	335,930	+1.7	+2.3	+0.4	325,085	340,256	333,218	310,926	+4.6	325,085	310,9
Market categories :													
Automotive equipment	15,697	15,644	15,257	+0.3	+2.5	+0.1	14,607	13,832	15,713	12,547	+16.4	14,607	12,5
Home goods and apparel	19,563	19,341	18,988	+1.1	+1.9	+1.1	17,159	17,016	19,368	16,410	+4.6	17,159	16,4
Consumer staples	69,342	70,446	69,552	-1.6	+1.3	+1.1	65,231	71,021	70,159	64,339	+1.4	65,231	64,2
Machinery and equipment	70,365	64,980	63,839	+8.3	+1.8	+0.7	60,663	71,377	62,907	55,893	+8.5	60,663	55,8
Business supplies	25,593	25,551	25,664	+0.2	-0.4	+1.5	23,457	25,150	26,152	23,234	+1.0	23,457	23,2
Construction materials and supplies	22,165	22,353	21,783	-0.8	+2.6	+0.6	19,636	20,628	21,239	18,750	+4.7	19,636	18,7
Defense products	8,455	7,616	5,797	+11.0	+31.4	-13.0	8,693	10,338	6,091	7,476	+16.3	8,693	7,4
Other materials, supplies and and intermediate products	118,427	117,892	115,050	+0.5	+2.5	+0.2	115,639	110,852	111,589	112,277	+3.0	115,639	112,2
Durable goods industries													
Nondefense capital goods [3]	57,285	52,005	50,675	+10.2	+2.6	+1.1	48,136	60,728	49,726	44,280	+8.7	48,136	44,2
Excluding aircraft and parts	45,496	47,132	43,775	-3.5	+7.7	+1.7	38,025	53,903	42,570	36,585	+3.9	38,025	36,5
Defense capital goods [4]	8,188	7,449	5,657	+9.9	+31.7	-11.0	8,522	10,338	5,939	7,228	+17.9	8,522	7,2
Durables excluding capital goods	137,104	136,120	132,861	+0.7	+2.5	+0.6	131,379	125,856	130,885	120,630	+8.9	131,379	120,6
Miscellaneous series :													
Producers' durable equipment	131,965	125,888	124,474	+4.8	+1.1	+1.0	117,999	127,794	123,962	107,641	+9.6	117,999	107,6
Household durable goods	9,760	9,854	9,465	-1.0	+4.1	+0.8	8,634	9,336	9,668	7,886	+9.5	8,634	7,8
Information technology industries	26,101	25,664	24,961	+1.7	+2.8	-0.4	20,279	32,296	24,369	19,803	+2.4	20,279	19,8
Health care equipment and products	12,244	12,797	12,176	-4.3	+5.1	+2.1	11,757	13,621	11,880	11,176	+5.2	11,757	11,1

[p] Preliminary [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines, internal combustion engines; construction, mining, and handling equipment; metalworking machinery, special industry machinery; general industrial machinery, computer and office equipment, refrigeration, heating an industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment; aircraft, missiles, space vehicles, and and parts, ships and tank components; railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment, aircraft, missiles, space vehicles, and engines and parts; shi and tank components, and search and navigation equipment

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan. 1998	Jan. 99/98
NFILLED ORDERS											
anufacturing industries	527,190	519,038	519,303	+1.6	-0.1	-1.0	531,127	512,986	514,816	543,779	-2.3
categories :											
motive equipment	2,608	2,474	2,418	+5.4	+2.3	+1.5	2,677	2,405	2,348	2,584	+3.6
e goods and apparel	8,828	8,979	8,941	-1.7	+0.4	+3.4	8,665	8,311	8,591	8,908	-2.7
umer staples	2,497	2,364	2,328	+5.6	+1.5	+8.5	2,483	2,262	2,260	2,038	+21.8
inery and equipment	245,651	241,602	243,910	+1.7	-0.9	-1.2	245,905	240,571	243,744	247,255	-0.5
iess supplies	6,961	6,789	6,891	+2.5	-1.5	+2.3	6,832	6,521	6,718	6,443	+6.0
truction materials supplies	17,669	17,506	17,486	+0.9	+0.1	-0.7	17,603	17,241	17,166	17,908	-1.7
ise products	92,475	90,957	90,167	+1.7	+0.9	-1.6	93,855	90,916	88,298	99,396	-5.6
materials, supplies and intermediate products	150,501	148,367	147,162	+1.4	+0.8	-1.1	153,107	144,759	145,691	159,247	-3.9
goods industries :											
efense capital goods [3]	261,365	257,382	259,447	+1.5	-0.8	-1.3	262,168	257,082	259,785	265,375	-1.2
luding aircraft and parts	107,854	106,877	105,125	+0.9	+1.7	-0.9	108,657	106,577	105,463	105,453	+3.0
ise capital goods [4]	97,416	95,947	95,040	+1.5	+1.0	-1.3	98,752	95,713	92,961	104,199	-5.2
oles excluding capital goods	144,343	141,843	140,642	+1.8	+0.9	-0.6	146,678	137,245	138,652	148,961	-1.5
ineous series :											
icers' durable equipment	286,116	281,337	283,823	+1.7	-0.9	-0.9	287,100	279,504	283,446	289,026	-0.7
ehold durable goods	5,429	5,522	5,479	-1.7	+0.8	+0.9	5,500	5,161	5,410	6,027	-8.7
nation technology industries	39,399	39,360	39,102	+0.1	+0.7	-1.8	39,121	39,116	39,289	39,393	-0.7
n care equipment products	9,932	9,715	9,737	+2.2	-0.2	-1.5	10,094	9,625	9,888	8,742	+15.5
OTAL INVENTORIES											
inufacturing industries	465,567	466,798	471,000	-0.3	-0.9	0.0	463,211	456,330	471,705	456,534	+1.5
categories :											
notive equipment	8,628	8,669	8,577	-0.5	+1.1	+2.5	8,544	8,265	8,558	8,113	+5.3
goods and apparel	31,996	32,246	32,512	-0.8	-0.8	+0.5	31,593	30,811	31,307	30,382	+4.0
imer staples	73,550	72,825	73,913	+1.0	-1.5	+0.7	73,427	72,343	75,477	72,202	+1.7
inery and equipment	117,316	117,856	120,435	-0.5	-2.1	-1.1	116,279	113,597	122,048	115,499	+0.7
ess supplies	28,511	28,256	28,310	+0.9	-0.2	0.0	28,011	27,239	28,205	26,904	+4.1
ruction materials supplies	28,917	28,706	28,946	+0.7	-0.8	-0.1	28,857	28,125	28,658	28,248	+2.2
se products	18,159	19,283	18,839	-5.8	+2.4	+0.4	17,877	18,604	18,662	17,272	+3.5
materials, supplies and intermediate products	158,490	158,957	159,468	-0.3	-0.3	+0.2	158,623	157,346	158,790	157,914	+0.4
goods industries :											
efense capital goods [3]	109,704	110,184	112,381	-0.4	-2.0	-1.2	108,501	106,039	113,974	108,341	+0.1
luding aircraft and parts	71,048	70,941	71,713	+0.2	-1.1	0.0	70,149	67,978	72,398	71,389	-1.7
ise capital goods [4]	18,556	19,818	19,242	-6.4	+3.0	+0.9	18,190	19,019	19,065	17,545	+3.7
oles excluding capital goods	165,483	165,342	166,358	+0.1	-0.6	+0.4	165,157	162,357	165,716	160,816	+2.7
ineous series :											
icers' durable equipment	190,047	190,338	193,333	-0.2	-1.5	-0.6	188,596	184,320	194,503	185,480	+1.7
ehold durable goods	16,475	16,390	16,633	+0.5	-1.5	+0.5	16,359	15,683	16,286	15,234	+7.4
nation technology industries	31,569	31,949	32,324	-1.2	-1.2	-1.1	30,934	30,317	32,777	33,395	-7.4
n care equipment products	19,795	19,619	20,093	+0.9	-2.4	+2.0	19,358	19,082	20,234	18,213	+6.3

ootnotes at end of table 5.

ote at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Pe ch J 99
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Jan. 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries	154,289	154,046	155,862	+0.2	-1.2	-0.1	155,055	153,675	155,775	153,525	-
Durable goods industries	92,011	91,740	93,115	+0.3	-1.5	-0.2	92,492	91,318	93,671	91,392	-
Stone, clay, and glass products	3,151	3,150	3,148	0.0	+0.1	+1.2	3,164	3,164	3,150	3,007	-
Primary metals	7,692	7,840	7,917	-1.9	-1.0	-0.2	7,782	8,152	8,089	7,888	
Fabricated metal products	10,429	10,400	10,661	+0.3	-2.4	-0.8	10,526	10,531	10,611	10,417	-
Industrial machinery and equipment	20,019	19,774	19,795	+1.2	-0.1	+1.1	19,898	19,267	19,909	19,238	-
Electronic and other electrical equipment	15,489	15,538	15,709	-0.3	-1.1	-1.3	15,477	15,239	15,708	15,806	
Transportation equipment	15,243	15,135	15,604	+0.7	-3.0	0.0	15,338	14,954	15,598	15,195	-
Instruments and related products	8,887	9,012	9,228	-1.4	-2.3	-0.6	8,865	8,855	9,179	8,866	
Lumber, furniture and miscellaneous durable goods	11,101	10,891	11,053	+1.9	-1.5	-1.0	11,442	11,156	11,427	10,975	
Nondurable goods industries	62,278	62,306	62,747	0.0	-0.7	+0.1	62,563	62,357	62,104	62,133	
Food and kindred products	11,496	11,276	11,215	+2.0	+0.5	-1.7	11,696	11,340	11,348	11,255	
Tobacco products	4,945	5,064	5,136	-2.3	-1.4	-1.8	5,316	5,408	5,053	5,587	
Textile mill products	2,887	2,905	2,896	-0.6	+0.3	-2.1	2,880	2,854	2,795	2,949	
Paper and allied products	7,842	7,930	7,968	-1.1	-0.5	-0.3	7,849	7,994	7,896	7,976	
Chemicals and allied products	15,792	15,743	15,521	+0.3	+1.4	-0.1	15,732	15,612	15,390	14,988	
Petroleum and coal products	3,131	3,103	3,613	+0.9	-14.1	+11.4	3,039	3,050	3,583	3,576	-
Rubber and plastics products	6,869	6,881	6,989	-0.2	-1.5	+1.2	6,906	6,930	6,905	6,667	
Apparel, printing and publishing and leather goods	9,316	9,404	9,409	-0.9	-0.1	-0.2	9,145	9,169	9,134	9,135	
WORK IN PROCESS											
All manufacturing industries	149,146	150,590	152,304	-1.0	-1.1	-0.4	147,563	145,967	153,935	145,581	
Durable goods industries	119,478	121,246	122,509	-1.5	-1.0	-0.8	117,923	117,283	123,475	116,320	
Stone, clay, and glass products	1,397	1,387	1,365	+0.7	+1.6	+0.7	1,383	1,290	1,260	1,304	
Primary metals	8,565	8,567	8,672	0.0	-1.2	+0.8	8,521	8,450	8,540	8,891	
Fabricated metal products	9,119	9,105	9,222	+0.2	-1.3	+1.0	8,957	8,919	9,251	8,544	
Industrial machinery and equipment	22,536	22,507	22,758	+0.1	-1.1	-0.3	22,148	21,506	23,103	22,203	
Electronic and other electrical equipment	13,648	13,634	13,914	+0.1	-2.0	-1.4	13,488	13,140	13,939	14,224	
Transportation equipment	48,926	50,753	51,254	-3.6	-1.0	-1.9	48,440	49,251	52,094	46,358	
Instruments and related products	10,006	10,004	10,012	0.0	-0.1	+0.7	9,763	9,587	10,055	9,702	
Lumber, furniture and miscellaneous durable goods	5,281	5,289	5,312	-0.2	-0.4	+1.2	5,223	5,140	5,233	5,094	
Nondurable goods industries	29,668	29,344	29,795	+1.1	-1.5	+1.3	29,640	28,684	30,460	29,261	
Food and kindred products	5,950	5,834	5,724	+2.0	+1.9	+2.4	6,297	6,246	6,377	6,098	
Tobacco products	96	94	92	+2.1	+2.2	0.0	98	88	105	102	
Textile mill products	2,556	2,588	2,621	-1.2	-1.3	-0.9	2,558	2,500	2,613	2,715	
Paper and allied products	1,651	1,655	1,579	-0.2	+4.8	+1.8	1,696	1,661	1,500	1,736	
Chemicals and allied products	8,741	8,592	9,164	+1.7	-6.2	+4.5	8,613	8,380	9,190	8,182	
Petroleum and coal products	2,349	2,348	2,451	0.0	-4.2	-6.7	2,301	2,199	2,479	2,534	
Rubber and plastics products	2,257	2,232	2,237	+1.1	-0.2	+1.9	2,291	2,195	2,275	2,265	
Apparel, printing and publishing and leather goods	6,068	6,001	5,927	+1.1	+1.2	-0.1	5,786	5,415	5,921	5,629	
FINISHED GOODS											
All manufacturing industries	162,132	162,162	162,834	0.0	-0.4	+0.4	160,593	156,688	161,995	157,428	
Durable goods industries	82,254	82,358	82,357	-0.1	0.0	+0.7	81,433	78,814	81,609	78,990	
Stone, clay, and glass products	4,848	4,794	4,807	+1.1	-0.3	+0.8	4,869	4,649	4,594	4,784	
Primary metals	8,184	8,272	8,228	-1.1	+0.5	-0.7	8,204	8,195	8,093	8,068	
Fabricated metal products	11,513	11,350	11,251	+1.4	+0.9	+0.3	11,380	10,828	10,924	10,659	
Industrial machinery and equipment	18,122	18,251	18,421	-0.7	-0.9	+0.1	18,236	17,642	18,551	18,326	
Electronic and other electrical equipment	10,307	10,614	10,692	-2.9	-0.7	+1.3	10,077	9,998	10,649	10,419	
Transportation equipment	9,787	9,813	9,594	-0.3	+2.3	+4.6	9,513	8,952	9,584	8,422	+
Instruments and related products	7,584	7,499	7,439	+1.1	+0.8	-0.1	7,288	7,241	7,595	6,961	
Lumber, furniture and miscellaneous durable goods	11,909	11,765	11,925	+1.2	-1.3	0.0	11,866	11,309	11,619	11,351	
Nondurable goods industries	79,878	79,804	80,477	+0.1	-0.8	+0.1	79,160	77,874	80,386	78,438	
Food and kindred products	20,131	20,189	20,325	-0.3	-0.7	-0.7	19,954	19,902	21,087	20,386	
Tobacco products	686	709	711	-3.2	-0.3	+1.6	821	801	986	808	
Textile mill products	4,650	4,687	4,677	-0.8	+0.2	-0.2	4,620	4,402	4,553	4,493	
Paper and allied products	6,688	6,777	6,936	-1.3	-2.3	-0.5	6,679	6,599	6,855	6,715	
Chemicals and allied products	21,939	21,882	22,190	+0.3	-1.4	+0.6	21,919	21,704	21,963	21,459	
Petroleum and coal products	5,082	4,803	4,901	+5.8	-2.0	-1.2	4,946	4,614	5,047	5,029	
Rubber and plastics products	7,656	7,653	7,631	0.0	+0.3	+0.7	7,724	7,472	7,387	7,778	
Apparel, printing and publishing and leather goods	13,046	13,104	13,106	-0.4	0.0	+1.1	12,497	12,380	12,508	11,770	

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Oct. 1998	Jan. 1999[p]	Dec. 1998[r]	Nov. 1998	Oct. 1998
manufacturing industries	1.36	1.36	1.38	1.38	2.67	2.61	2.61	2.66
e goods industries	1.51	1.51	1.53	1.54	3.14	3.07	3.06	3.12
, clay, and glass products	1.13	1.12	1.13	1.13	0.79	0.78	0.79	0.81
ry metals	1.71	1.74	1.74	1.70	2.02	2.08	2.08	2.01
cated metal products	1.53	1.50	1.53	1.54	1.37	1.34	1.35	1.37
trial machinery and equipment	1.67	1.64	1.66	1.64	2.18	2.12	2.09	2.10
onic and other trical equipment	1.19	1.21	1.24	1.26	1.89	1.83	1.83	1.87
portation equipment	1.55	1.58	1.58	1.60	9.41	9.12	8.81	9.09
ments and related products	1.87	1.85	1.84	1.90	3.34	3.28	3.27	3.42
able goods industries	1.17	1.15	1.18	1.18	0.65	0.64	0.65	0.65
and kindred products	0.91	0.90	0.90	0.91	(X)	(X)	(X)	(X)
co products	1.46	1.54	1.75	1.74	(X)	(X)	(X)	(X)
e mill products	1.53	1.57	1.57	1.57	(NA)	(NA)	(NA)	(NA)
and allied products	1.20	1.20	1.22	1.23	(NA)	(NA)	(NA)	(NA)
icals and allied products	1.45	1.38	1.44	1.45	(X)	(X)	(X)	(X)
eum and coal products	1.01	0.94	0.99	0.94	(X)	(X)	(X)	(X)
r and plastics products	1.27	1.25	1.28	1.26	(X)	(X)	(X)	(X)

eliminary. [r] Revised. (X) Not applicable. (NA) Not available.

cludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; um and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1999	Jan.[2] 1994-1998	Jan. 1998-Dec. 1998	Jan.[1] 1999	Jan.[2] 1994-1998	Jan. 1998-Dec. 1998	Jan.[1] 1999	Jan.[2] 1994-1998	Jan. 1998-Dec. 1998	Jan.[1] 1999	Jan.[2] 1994-1998	Jan. 1998-Dec. 1998
anufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
goods industries	-0.5	0.2	0.2	-0.3	0.4	0.3	0.0	0.1	0.1	(X)	0.1	0.1
clay, and glass products	(X)	0.4	0.4	(X)	0.5	0.5	(X)	0.4	0.4	(X)	0.2	0.1
y metals	0.3	0.2	0.3	-0.2	0.9	0.8	-0.2	0.5	0.2	(X)	0.2	0.1
ated metal products	(X)	0.4	0.2	(X)	0.6	0.3	(X)	0.3	0.2	(X)	0.3	0.1
rial machinery and equipment	-0.3	0.9	0.3	0.2	1.1	0.3	0.2	0.1	0.1	(X)	0.1	0.1
onic and other rical equipment	-0.9	0.4	0.5	-0.8	0.9	1.3	0.2	0.5	0.6	(X)	0.1	0.2
ortation equipment	-0.1	0.4	0.6	-0.7	0.8	0.8	-0.1	0.1	0.1	(X)	0.2	0.2
nents and related products	(X)	0.7	0.5	(X)	1.6	1.2	(X)	0.4	0.2	(X)	0.2	0.0
able goods industries	(X)	0.2	0.1	(X)	0.1	0.1	(X)	0.4	0.2	(X)	0.1	0.0
and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
co products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
e mill products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
cals and allied products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
eum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5
r and plastics products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
goods industries :												
fense	-0.6	0.9	0.3	-1.0	0.9	0.4	-0.1	0.1	0.1	(X)	0.1	0.1
se	-3.7	1.0	0.6	-1.2	4.9	3.2	0.2	0.2	0.2	(X)	0.2	0.2

Not applicable. (NA) Not available.

e : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The y averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the goods industries are shown in the advance report for the month.

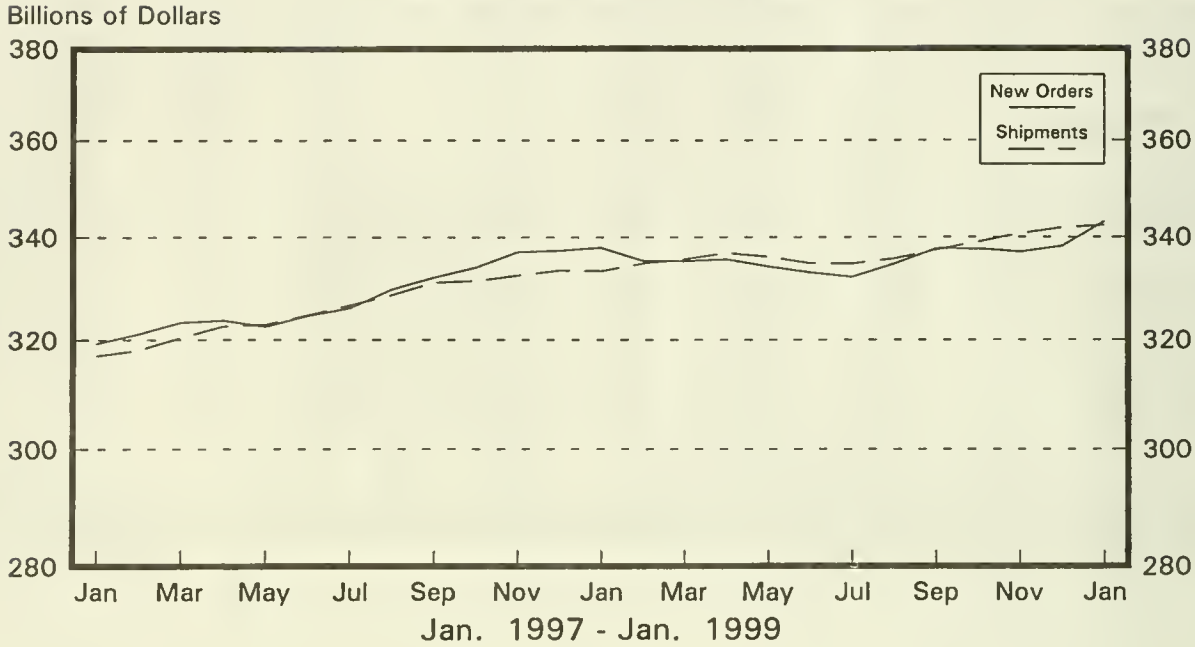
e current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

verage for this month for the last five years.

note at end of table 2 relating to survey error and revision.

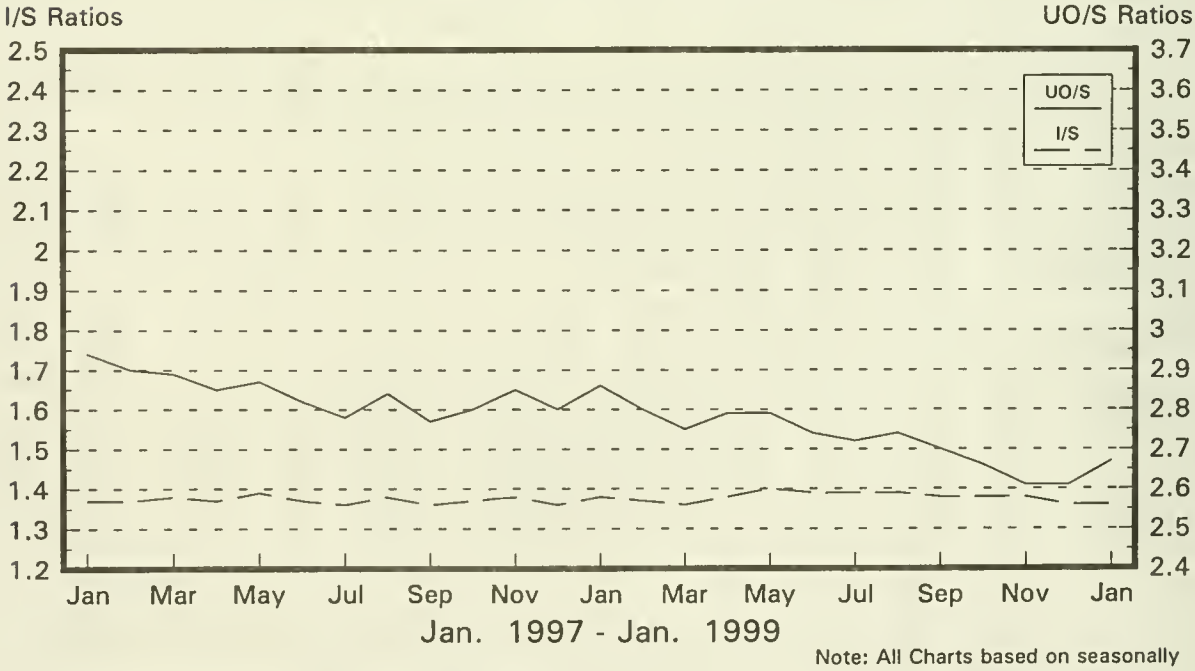
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

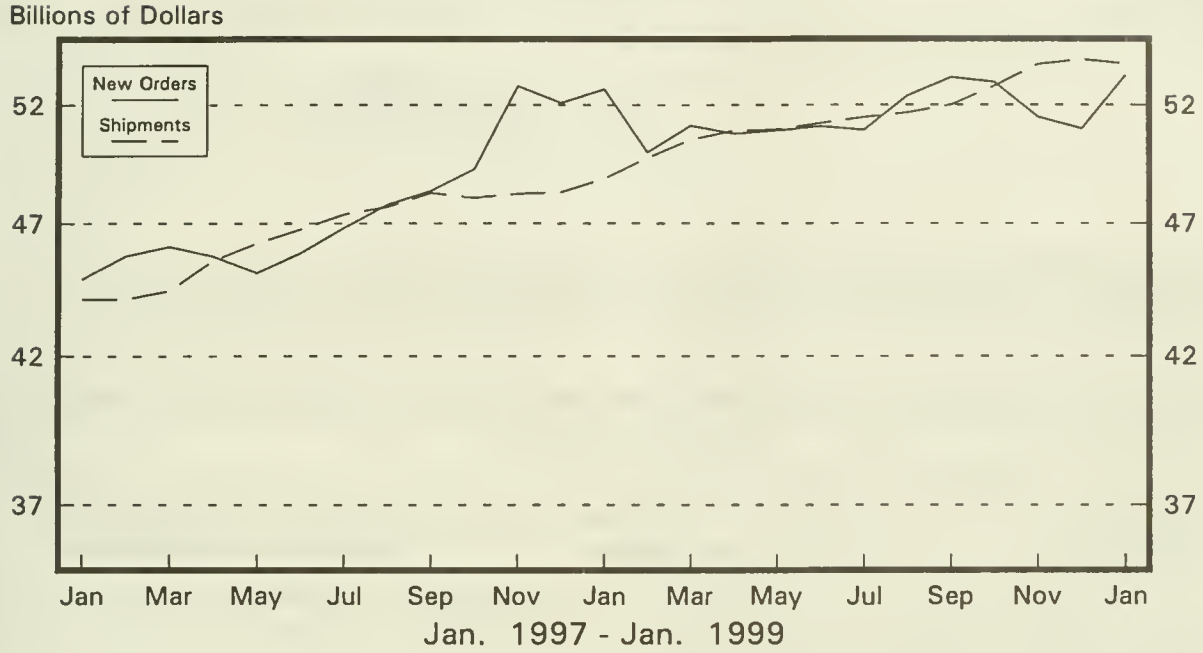
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

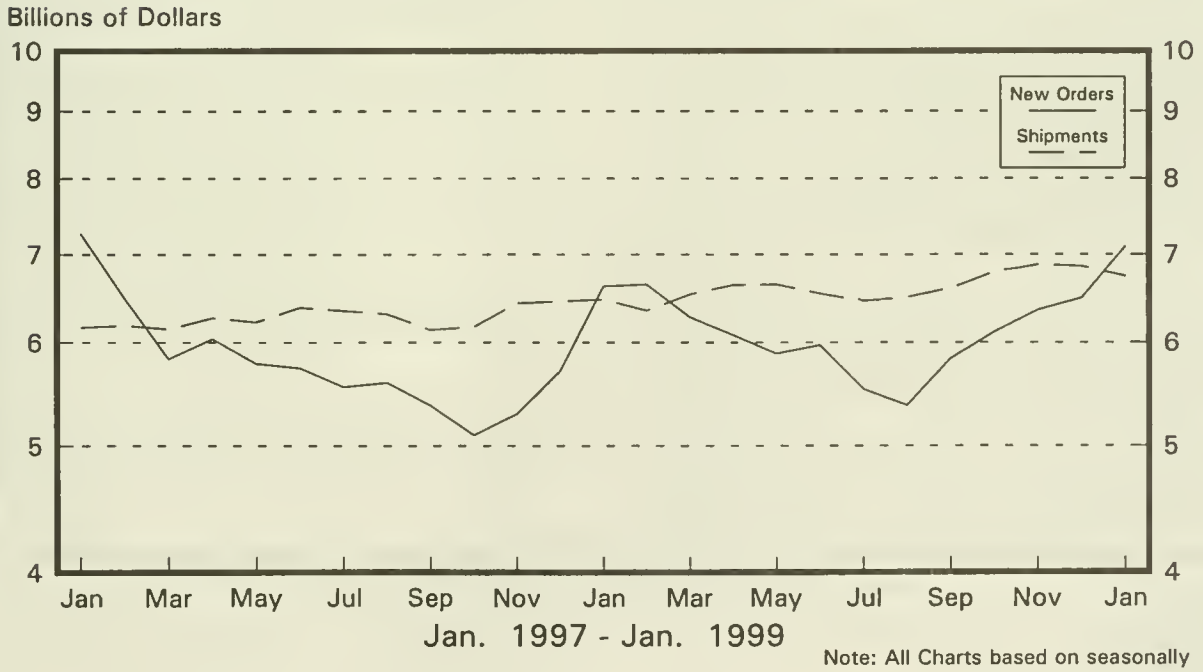
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1998/1999 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
January 1999	Thur., Feb. 25	Thur., Mar. 4
February 1999	Wed., Mar. 24	Wed., Mar. 31
March 1999	Wed., Apr. 28	Wed., May 5
April 1999	Wed ., May 26	Thur., June 3
May 1999	Thur, June 24	Fri, July 2
June 1999	Wed., July 28	Wed., Aug. 4
July 1999	Wed., Aug. 25	Thur., Sep. 2
August 1999	Wed., Sept. 29	Wed., Oct. 6
September 1999	Wed., Oct. 27	Wed., Nov. 3
October 1999	Tues., Nov. 23	Fri., Dec. 3
November 1999	Thur, Dec. 23	

M3-1-(99)-02

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
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For Data - (301) 457-4673
For Questions - Kathy Menth or Lee Wentela
(301) 457-4804 or (301) 457-4852

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased $8.8 billion or 2.5 percent to $340.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.5 percent January increase and is the first decrease since October. This is the largest decline since the 2.6 percent decrease in April 1995. Excluding transportation, new orders decreased 0.4 percent. Year-to-date, new orders are 2.8 percent above the same period a year ago.

Shipments increased $0.9 billion or 0.3 percent to $342.6 billion, following a 0.7 percent January decrease. This is the seventh increase in the last nine months. Year-to-date, shipments are 2.5 percent above the same period a year ago.

Unfilled orders, down five of the last six months, decreased $2.1 billion or 0.4 percent to $524.6 billion. This follows a 1.5 percent January increase. The unfilled orders-to-shipments ratio was 2.67, unchanged from January.

Inventories increased $0.2 billion to $465.1 billion. This is the first increase since October. The inventories-to-shipments ratio was 1.36, unchanged from January.

New Orders

New orders for manufactured durable goods in February decreased $9.9 billion or 4.9 percent to $191.8 billion, revised from the previously published 5.0 percent decrease. This follows a 3.1 percent January increase and is the first decrease since October.

Transportation equipment, down for the first month since October, had the largest decrease, $7.5 billion or 14.4 percent to $44.9 billion; all component industries decreased, led by aircraft and parts. This follows a 13.5 percent January increase. Electronic and other electrical equipment decreased $3.0 billion or 8.6 percent to $31.9 billion. The decrease was mostly due to electronic components. This follows a 3.1 percent January increase. Primary metals increased $1.0 billion or 7.0 percent to $14.6 billion. This follows a 3.0 percent January decrease.

New orders for nondurable goods increased $1.1 billion or 0.7 percent to $148.7 billion. This follows a 0.5 percent January decrease and is the third increase in the last four months. Chemicals and allied products had the largest increase.

Shipments

Shipments of durable goods in February decreased $0.1 billion or 0.1 percent to $194.0 billion, unrevised from the previously published 0.1 percent decrease. This is the second consecutive decrease following seven consecutive increases.

Electronic and other electrical equipment had the largest decrease, $0.7 billion or 2.2 percent to $32.1 billion. This follows a 0.5 percent January decrease. Industrial machinery and equipment increased $0.2 billion or 0.7 percent to $36.8 billion, following a 1.0 percent January decrease. Stone, clay, and glass products, up thirteen of the last fifteen months, increased $0.2 billion or 2.9 percent to $8.5 billion. This follows a 1.2 percent January decrease.

Shipments of nondurable goods, up three of the last four months, increased $1.1 billion or 0.7 percent to $148.6 billion. This follows a 0.8 percent January decrease. Chemicals and allied products, up three of the last four months, increased $0.9 billion or 2.7 percent to $33.2 billion, following a 3.8 percent January decline.

Unfilled Orders

Unfilled orders for durable goods in February decreased $2.2 billion or 0.4 percent to $500.6 billion, unrevised from the previously published 0.4 percent decrease. This follows a 1.5 percent January increase and is the fourth decrease in the last six months. Transportation equipment, down five of the last six months, had the largest decrease, $2.3 billion or 0.9 percent to $246.1 billion. This follows a 2.1 percent January increase. Instruments and related products, down eleven of the last thirteen months, decreased $0.3 billion or 0.7 percent to $47.0 billion. This follows a 0.3 percent January increase. Primary metals increased $0.4 billion or 1.3 percent to $29.3 billion, following a 2.2 percent January decrease.

Inventories

Inventories of durable goods in February increased $1.0 billion or 0.3 percent to $294.6 billion, following a 0.6 percent January decrease. This is the first increase since October. Transportation equipment, up for the first month since October, increased $0.6 billion or 0.8 percent to $74.4 billion, following a 2.4 percent January decrease. Electronic and other electrical equipment, up for the first month since October, increased $0.5 billion or 1.3 percent to $40.1 billion, following a 0.5 percent January decline. Primary metals, down for the fifth consecutive month, decreased $0.2 billion or 0.8 percent to $24.3 billion, following a 1.0 percent January decline.

Inventories of nondurable goods, down three consecutive months, decreased $0.8 billion or 0.5 percent to $170.5 billion, following a 0.1 percent January decrease. Petroleum and coal products, down three consecutive months, decreased $0.2 billion or 2.1 percent to $10.0 billion, following a 0.1 percent January decrease.

By stage of fabrication, February finished goods increased 0.3 percent in durables and decreased 0.8 percent in nondurables. Work in process increased 0.1 percent in durables and 0.4 percent in nondurables. Materials and supplies increased 0.7 percent in durables and decreased 0.5 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

NOTE. The December shipments and new orders data have been revised for petroleum and coal products, total nondurable goods, total manufacturing, and the market categories.

The advance report on durable goods for March is scheduled for April 28, 1999 at 8:30 a.m. and the full report on May 5, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202 482-3870)

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998[r]	Feb. 1998	Feb. 99/98	1999[p]	1998[r]
All manufacturing industries	342,611	341,670	344,247	+0.3	-0.7	+0.8	340,152	307,582	342,295	333,973	+1.9	647,734	632,678
Manufacturing Industries													
with unfilled orders	196,409	197,075	198,572	-0.3	-0.8	0.0	193,780	173,561	204,497	191,043	+1.4	367,341	357,756
without defense capital goods	335,890	334,930	337,705	+0.3	-0.8	+1.0	333,426	302,088	334,709	327,361	+1.9	635,514	620,821
Durable goods industries	193,975	194,091	195,531	-0.1	-0.7	+0.4	194,582	170,448	198,280	188,429	+3.3	365,030	348,366
With unfilled orders	159,355	159,916	161,454	-0.4	-1.0	-0.1	157,533	139,260	167,916	154,211	+2.2	296,793	285,942
Stone, clay, and glass products	8,456	8,220	8,317	+2.9	-1.2	+1.0	7,972	7,119	7,402	7,262	+9.8	15,091	13,936
Primary metals	14,232	14,312	14,222	-0.6	+0.6	-0.4	14,649	13,586	12,997	16,331	-10.3	28,235	31,331
Blast furnaces, steel mills	5,546	5,396	5,359	+2.8	+0.7	-3.5	5,772	5,236	4,900	6,764	-14.7	11,008	13,103
Iron and steel foundries	1,524	1,525	1,569	-0.1	-2.8	+3.6	1,592	1,397	1,323	1,649	-3.5	2,989	2,998
Nonferrous and other primary metals	7,162	7,391	7,294	-3.1	+1.3	+1.0	7,285	6,953	6,774	7,918	-8.0	14,238	15,230
Fabricated metal products	20,403	20,520	20,523	-0.6	0.0	+0.5	20,599	18,557	19,152	19,980	+3.1	39,156	37,292
Industrial machinery and equipment	36,758	36,513	36,880	+0.7	-1.0	+0.7	35,629	30,345	40,163	35,503	+0.4	65,974	65,757
Engines and turbines	2,347	2,302	2,332	+2.0	-1.3	-3.4	2,303	1,894	2,900	2,118	+8.7	4,197	3,805
Farm and garden machinery	1,928	1,931	1,761	-0.2	+9.7	+4.9	2,279	1,733	1,270	2,391	-4.7	4,012	4,235
Construction, mining and material handling equipment	3,951	3,943	3,992	+0.2	-1.2	-1.1	4,102	3,481	3,849	4,335	-5.4	7,583	8,009
Metalworking machinery	3,564	3,512	3,500	+1.5	+0.3	-5.5	3,383	2,694	3,673	3,263	+3.7	6,077	5,945
Computer and office equipment	11,225	10,971	11,022	+2.3	-0.5	-0.4	9,721	8,033	14,670	8,933	+8.8	17,754	16,431
Electronic and other electrical equipment	32,094	32,830	33,006	-2.2	-0.5	+1.1	31,027	27,811	36,962	30,112	+3.0	58,838	55,063
Electrical transmission and distribution equipment and industrial apparatus	3,607	3,627	3,810	-0.6	-4.8	+5.7	3,690	3,176	3,808	3,832	-3.7	6,866	6,979
Household appliances	2,402	2,256	2,240	+6.5	+0.7	+4.2	2,343	1,825	2,204	1,988	+17.9	4,168	3,638
Electric lighting and wiring equipment	2,219	2,242	2,434	-1.0	-7.9	+7.8	2,276	1,966	2,622	2,285	-0.4	4,242	4,243
Household audio and video equipment	1,093	1,155	1,124	-5.4	+2.8	+10.5	996	930	1,123	948	+5.1	1,926	1,758
Communications equipment	7,616	8,071	7,621	-5.6	+5.9	+1.2	6,881	6,134	10,708	6,457	+6.6	13,015	11,399
Electronic components	12,992	13,310	13,539	-2.4	-1.7	-1.0	12,744	11,993	14,293	12,509	+1.9	24,737	23,190
Transportation equipment	47,151	47,236	47,908	-0.2	-1.4	-0.9	50,387	42,646	46,660	46,542	+8.3	93,033	83,420
Motor vehicles and parts	31,838	31,970	32,169	-0.4	-0.6	+1.9	35,619	30,104	28,329	33,024	+7.9	65,723	59,124
Aircraft, missiles, space vehicles, and parts	11,988	12,255	12,043	-2.2	+1.8	-8.9	11,457	10,070	14,685	10,640	+7.7	21,527	19,227
Shipbuilding and tanks	1,027	1,044	914	-1.6	+14.2	-28.8	1,018	786	1,090	852	+19.5	1,804	1,459
Instruments and related products	14,094	14,011	14,371	+0.6	-2.5	-1.0	13,926	12,284	15,423	13,908	+0.1	26,210	26,089
Search and navigation equipment	3,154	3,169	3,254	-0.5	-2.6	-1.3	3,200	2,728	3,508	3,061	+4.5	5,928	5,618
Measuring and controlling devices	4,186	4,077	3,992	+2.7	+2.1	-5.6	4,195	3,633	4,228	4,228	-0.8	7,828	7,929
Medical instruments and supplies	4,648	4,526	4,792	+2.7	-5.6	+5.2	4,594	4,041	5,328	4,373	+5.1	8,635	8,360
Photographic goods	1,649	1,786	1,872	-7.7	-4.6	-4.3	1,511	1,479	1,909	1,827	-17.3	2,990	3,360
All other durable goods	20,787	20,449	20,309	+1.7	+0.7	+2.6	20,393	18,100	19,521	18,791	+8.5	38,493	35,478
Nondurable goods industries	148,636	147,579	148,716	+0.7	-0.8	+1.4	145,570	137,134	144,015	145,544	0.0	282,704	284,312
With unfilled orders	37,054	37,159	37,118	-0.3	+0.1	+0.3	36,247	34,301	36,581	36,832	-1.6	70,548	71,814
Food and kindred products	41,287	41,319	41,585	-0.1	-0.6	+0.5	40,141	38,810	40,952	39,466	+1.7	78,951	77,629
Meat products	8,588	8,602	8,572	-0.2	+0.3	-1.4	8,371	8,069	8,391	8,443	-0.9	16,440	16,483
Dairy products	6,606	6,640	6,944	-0.5	-4.4	+2.8	6,440	6,508	6,868	5,857	+10.0	12,948	11,492
Beverages	6,269	6,247	6,151	+0.4	+1.6	+2.0	5,655	5,396	5,753	5,519	+2.5	11,051	10,803
All other foods, except fats and oils	17,864	17,903	17,762	-0.2	+0.8	-0.1	17,715	16,910	17,784	17,482	+1.3	34,625	34,601
Tobacco products	4,063	4,017	3,817	+1.1	+5.2	+12.3	4,101	3,820	3,912	3,480	+17.8	7,921	6,403
Textile mill products	6,418	6,581	6,472	-2.5	+1.7	-0.4	6,240	5,769	5,825	6,791	-8.1	12,009	13,074
Broadwoven fabrics and other textiles	3,706	3,851	3,810	-3.8	+1.1	-1.1	3,671	3,481	3,561	4,242	-13.5	7,152	8,143
Paper and allied products	13,657	13,443	13,669	+1.6	-1.7	+1.3	13,703	12,931	13,287	13,906	-1.5	26,634	27,482
Pulp, paper, and paperboard mill products	5,201	5,177	5,061	+0.5	+2.3	+0.2	5,230	4,983	4,973	5,562	-6.0	10,213	10,940
Paperboard containers and boxes	3,409	3,401	3,593	+0.2	-5.3	+2.5	3,394	3,275	3,361	3,531	-3.9	6,669	7,024
Miscellaneous converted paper products	5,047	4,865	5,015	+3.7	-3.0	+1.6	5,079	4,673	4,953	4,813	+5.5	9,752	9,518
Chemicals and allied products	33,168	32,305	33,581	+2.7	-3.8	+3.2	32,627	30,801	33,291	32,013	+1.9	63,428	63,339
Industrial chemicals	14,706	14,688	14,817	+0.1	-0.9	+2.6	14,975	14,104	14,189	15,706	-4.7	29,079	30,850
Drugs, soaps, and toiletries	14,607	13,914	14,791	+5.0	-5.9	+3.4	13,829	13,458	15,814	12,416	+11.4	27,287	25,149
Petroleum and coal products	11,166	11,037	11,060	+1.2	-0.2	+0.2	10,145	9,819	10,673	11,807	-14.1	19,964	23,751
Rubber and plastics products	13,659	13,207	13,400	+3.4	-1.4	+1.4	13,862	12,207	12,007	13,334	+4.0	26,069	25,505
All other nondurable goods	25,218	25,670	25,132	-1.8	+2.1	+0.4	24,751	22,977	24,068	24,747	0.0	47,728	47,129

[p] Preliminary [r] Revised

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998[r]	Jan.-Feb.	Dec.-Jan	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998[r]	Feb. 1998	Feb. 99/98	1999[p]	1998[r]
All manufacturing industries	340,493	349,311	343,982	-2.5	+1.5	+2.4	338,009	325,593	340,465	333,699	+1.3	663,602	644,625
Manufacturing industries													
with unfilled orders	194,291	204,716	198,307	-5.1	+3.2	+2.7	191,637	191,572	202,667	190,769	+0.5	383,209	369,703
without defense capital goods	335,534	341,293	336,533	-1.7	+1.4	+1.9	333,614	317,049	330,127	328,041	+1.7	650,663	631,739
Durable goods industries	191,794	201,708	195,574	-4.9	+3.1	+3.4	192,508	188,008	196,922	188,167	+2.3	380,516	360,305
With unfilled orders	157,174	167,533	161,497	-6.2	+3.7	+3.5	155,459	156,820	166,558	153,949	+1.0	312,279	297,881
Stone, clay, and glass products	8,437	8,248	8,289	+2.3	-0.5	+1.1	8,008	7,282	7,405	7,283	+10.0	15,290	14,135
Primary metals	14,615	13,660	14,087	+7.0	-3.0	-3.4	15,960	13,954	13,768	17,460	-8.6	29,914	33,453
Blast furnaces, steel mills	5,903	4,957	5,331	+19.1	-7.0	-4.3	6,606	5,377	5,268	7,360	-10.2	11,983	14,230
Iron and steel foundries	1,482	1,504	1,433	-1.5	+5.0	-8.6	1,671	1,495	1,293	1,905	-12.3	3,166	3,383
Nonferrous and other primary metals	7,230	7,199	7,323	+0.4	-1.7	-1.7	7,683	7,082	7,207	8,195	-6.2	14,765	15,840
Fabricated metal products	20,364	20,735	20,460	-1.8	+1.3	+1.1	20,697	19,120	19,079	20,084	+3.1	39,817	37,846
Industrial machinery and equipment	36,927	37,164	38,246	-0.6	-2.8	+7.5	36,049	31,857	40,982	36,109	-0.2	67,906	67,210
Engines and turbines	2,864	2,713	3,756	+5.6	-27.8	+62.7	2,518	2,156	4,202	1,898	+32.7	4,674	3,531
Construction, mining and material handling equipment	3,877	3,918	4,082	-1.0	-4.0	+6.9	4,254	3,771	4,072	4,823	-11.8	8,025	8,935
Metalworking machinery	3,692	3,629	3,188	+1.7	+13.8	-10.6	3,511	2,811	3,361	3,401	+3.2	6,322	6,107
Computer and office equipment	10,929	10,993	11,558	-0.6	-4.9	+5.6	9,557	8,021	14,761	9,117	+4.8	17,578	16,570
Electronic and other electrical equipment	31,879	34,895	33,859	-8.6	+3.1	+6.0	29,965	34,752	34,946	29,795	+0.6	64,717	59,583
Electrical transmission and distribution equipment and industrial apparatus	3,619	3,527	3,803	+2.6	-7.3	+7.6	3,830	3,247	3,740	3,996	-4.2	7,077	7,171
Electric lighting and wiring equipment	2,212	2,344	2,537	-5.6	-7.6	+16.9	2,269	2,068	2,725	2,513	-9.7	4,337	4,488
Communications equipment	8,114	8,224	7,364	-1.3	+11.7	+0.7	7,385	6,254	10,472	6,890	+7.2	13,639	13,034
Electronic components	12,450	15,211	14,415	-18.2	+5.5	+9.7	11,226	18,008	12,526	11,253	-0.2	29,234	25,076
Transportation equipment	44,877	52,396	46,166	-14.4	+13.5	+2.5	47,554	50,028	46,056	44,939	+5.8	97,582	86,241
Aircraft, missiles, space vehicles, and parts	10,776	15,535	7,848	-30.6	+97.9	-21.2	9,631	15,041	11,637	9,065	+6.2	24,672	21,601
Shipbuilding and tanks	445	2,014	2,351	-77.9	-14.3	211.8	424	1,809	2,420	674	-37.1	2,233	1,423
Instruments and related products	13,753	14,153	14,113	-2.8	+0.3	+1.4	13,688	12,806	15,629	13,951	-1.9	26,494	26,366
Search and navigation equipment	2,792	3,055	2,926	-8.6	+4.4	+0.8	2,877	2,728	3,857	3,014	-4.5	5,605	5,407
Measuring and controlling devices	4,295	4,200	4,082	+2.3	+2.9	-0.7	4,304	3,756	4,318	4,090	+5.2	8,060	7,961
Medical instruments and supplies	4,563	4,665	4,770	-2.2	-2.2	+8.2	4,484	4,473	5,067	4,558	-1.6	8,957	8,821
All other durable goods	20,942	20,457	20,357	+2.4	+0.5	+3.3	20,587	18,209	19,057	18,546	+11.0	38,796	35,471
Nondurable goods industries	148,699	147,603	148,408	+0.7	-0.5	+1.1	145,501	137,585	143,543	145,532	0.0	283,086	284,320
With unfilled orders	37,117	37,183	36,810	-0.2	+1.0	-0.9	36,178	34,752	36,109	36,820	-1.7	70,930	71,822

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Jan.-Feb.	Dec.-Jan	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Feb. 1998	Feb. 99/98
All manufacturing industries	524,559	526,677	519,038	-0.4	+1.5	-0.1	528,854	530,997	512,986	543,505	-2.7
Manufacturing industries without defense capital goods	429,096	429,452	423,091	-0.1	+1.5	-0.3	432,422	432,234	417,273	440,260	-1.8
Durable goods industries	500,606	502,787	495,172	-0.4	+1.5	0.0	505,526	507,600	490,040	518,273	-2.5
Stone, clay, and glass products	6,230	6,249	6,221	-0.3	+0.5	-0.4	6,270	6,234	6,071	6,375	-1.6
Primary metals	29,285	28,902	29,554	+1.3	-2.2	-0.5	30,526	29,215	28,847	36,460	-16.3
Blast furnaces, steel mills	11,348	10,991	11,430	+3.2	-3.8	-0.2	12,010	11,176	11,035	15,485	-22.4
Iron and steel foundries	5,395	5,437	5,458	-0.8	-0.4	-2.4	5,529	5,450	5,352	5,861	-5.7
Nonferrous and other primary metals	12,542	12,474	12,666	+0.5	-1.5	+0.2	12,987	12,589	12,460	15,114	-14.1
Fabricated metal products	26,070	26,109	25,894	-0.1	+0.8	-0.2	26,095	25,997	25,434	26,904	-3.0
Industrial machinery and equipment	75,278	75,109	74,458	+0.2	+0.9	+1.9	76,373	75,953	74,441	74,878	+2.0
Engines and turbines	19,010	18,493	18,082	+2.8	+2.3	+8.5	19,202	18,987	18,725	12,260	+56.6
Construction, mining and material handling equipment	9,741	9,815	9,840	-0.8	-0.3	+0.9	10,075	9,923	9,633	11,292	-10.8
Metalworking machinery	6,691	6,563	6,446	+2.0	+1.8	-4.6	6,691	6,563	6,446	7,311	-8.5
Computer and office equipment	7,888	8,184	8,162	-3.6	+0.3	+7.0	7,765	7,929	7,941	7,771	-0.1
Electronic and other electrical equipment	62,380	62,595	60,530	-0.3	+3.4	+1.4	63,685	64,747	57,806	57,826	+10.1
Electrical transmission and distribution equipment and industrial apparatus	6,271	6,259	6,359	+0.2	-1.6	-0.1	6,392	6,252	6,181	6,710	-4.7
Electric lighting and wiring equipment	5,117	5,124	5,022	-0.1	+2.0	+2.1	5,117	5,124	5,022	5,172	-1.1
Communications equipment	17,684	17,186	17,033	+2.9	+0.9	-1.5	17,681	17,177	17,057	15,966	+10.7
Electronic components	27,217	27,759	25,858	-2.0	+7.4	+3.5	28,152	29,670	23,655	23,426	+20.2
Transportation equipment	246,091	248,365	243,205	-0.9	+2.1	-0.7	247,133	249,966	242,584	257,338	-4.0
Aircraft, missiles, space vehicles, and parts	206,502	207,714	204,434	-0.6	+1.6	-2.0	207,153	208,979	204,008	220,494	-6.1
Shipbuilding and tanks	19,761	20,343	19,373	-2.9	+5.0	+8.0	19,751	20,345	19,322	18,394	+7.4
Instruments and related products	46,950	47,291	47,149	-0.7	+0.3	-0.5	47,469	47,707	47,185	50,406	-5.8
Search and navigation equipment	25,784	26,146	26,260	-1.4	-0.4	-1.2	26,105	26,428	26,428	29,032	-10.1
Measuring and controlling devices	10,417	10,308	10,185	+1.1	+1.2	+0.9	10,417	10,308	10,185	10,885	-4.3
Medical instruments and supplies	9,729	9,814	9,675	-0.9	+1.4	-0.2	9,908	10,018	9,586	8,885	+11.5
All other durable goods	8,322	8,167	8,159	+1.9	+0.1	+0.6	7,975	7,781	7,672	8,086	-1.4
Nondurable goods industries	23,953	23,890	23,866	+0.3	+0.1	-1.3	23,328	23,397	22,946	25,232	-7.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Feb. 1998	Feb. 99/98
All manufacturing industries	465,084	464,873	466,798	0.0	-0.4	-0.9	467,362	462,588	456,330	464,331	+0.7
Manufacturing industries											
with unfilled orders	311,458	310,790	312,714	+0.2	-0.6	-0.9	311,801	307,625	303,508	308,519	+1.1
without defense capital goods	446,222	446,291	446,980	0.0	-0.2	-1.1	448,644	444,384	437,311	446,454	+0.5
Durable goods industries	294,554	293,563	295,344	+0.3	-0.6	-0.9	296,152	291,608	287,415	292,368	+1.3
With unfilled orders	270,484	269,448	271,246	+0.4	-0.7	-1.0	271,129	266,947	263,500	268,021	+1.2
Stone, clay, and glass products	9,278	9,381	9,331	-1.1	+0.5	+0.1	9,515	9,402	9,103	9,328	+2.0
Primary metals	24,254	24,438	24,679	-0.8	-1.0	-0.6	24,270	24,525	24,797	24,472	-0.8
Blast furnaces, steel mills	11,803	11,924	12,057	-1.0	-1.1	-1.0	11,783	12,085	12,319	11,813	-0.3
Iron and steel foundries	1,633	1,614	1,580	+1.2	+2.2	+0.1	1,661	1,598	1,541	1,575	+5.5
Nonferrous and other primary metals	10,818	10,900	11,042	-0.8	-1.3	-0.2	10,826	10,842	10,937	11,084	-2.3
Fabricated metal products	30,865	30,920	30,855	-0.2	+0.2	-0.9	30,917	30,741	30,278	30,191	+2.4
Industrial machinery and equipment	60,676	60,658	60,532	0.0	+0.2	-0.7	61,642	60,256	58,415	62,062	-0.7
Engines and turbines	4,100	4,097	3,871	+0.1	+5.8	-4.3	4,120	3,961	3,583	4,433	-7.1
Farm and garden machinery	3,749	3,770	3,867	-0.6	-2.5	-0.6	4,176	4,136	4,062	4,103	+1.8
Construction, mining and material handling equipment	9,118	9,099	9,048	+0.2	+0.6	+0.3	9,255	9,110	8,826	8,454	+9.5
Metalworking machinery	7,943	7,980	7,929	-0.5	+0.6	+1.5	7,869	7,774	7,443	7,316	+7.6
Computer and office equipment	9,130	9,045	9,064	+0.9	-0.2	-0.3	9,375	8,714	8,343	10,614	-11.7
Electronic and other electrical equipment	40,084	39,581	39,786	+1.3	-0.5	-1.3	40,143	39,036	38,377	41,318	-2.8
Electrical transmission and distribution equipment and industrial apparatus	5,400	5,423	5,535	-0.4	-2.0	+2.8	5,449	5,421	5,421	5,682	-4.1
Household appliances	2,396	2,403	2,404	-0.3	0.0	-1.4	2,485	2,351	2,163	2,422	+2.6
Electric lighting and wiring equipment	3,468	3,448	3,460	+0.6	-0.3	-1.4	3,457	3,371	3,274	3,393	+1.9
Household audio and video equipment	1,008	1,022	1,028	-1.4	-0.6	-5.2	980	986	952	936	+4.7
Communications equipment	9,651	9,484	9,785	+1.8	-3.1	-3.3	9,689	9,376	9,420	10,853	-10.7
Electronic components	14,455	14,045	13,914	+2.9	+0.9	-1.5	14,441	13,874	13,674	14,549	-0.7
Transportation equipment	74,433	73,852	75,701	+0.8	-2.4	-1.0	74,520	73,252	73,157	71,393	+4.4
Motor vehicles and parts	16,948	17,101	17,419	-0.9	-1.8	+1.0	17,025	17,090	16,893	16,375	+4.0
Aircraft, missiles, space vehicles, and parts	51,579	50,955	52,656	+1.2	-3.2	-1.7	51,532	50,362	50,776	49,437	+4.2
Shipbuilding and tanks	1,885	1,858	1,942	+1.5	-4.3	+9.8	1,917	1,885	1,920	1,672	+14.7
Instruments and related products	26,715	26,443	26,515	+1.0	-0.3	-0.6	26,547	25,831	25,683	25,946	+2.3
Search and navigation equipment	6,713	6,569	6,573	+2.2	-0.1	-1.9	6,658	6,378	6,391	6,491	+2.6
Measuring and controlling devices	7,978	7,979	8,079	0.0	-1.2	+1.1	7,952	7,857	7,855	8,093	-1.7
Medical instruments and supplies	8,578	8,455	8,441	+1.5	+0.2	-1.7	8,540	8,328	8,244	8,170	+4.5
Photographic goods	2,697	2,695	2,678	+0.1	+0.6	+0.6	2,652	2,534	2,454	2,513	+5.5
All other durable goods	28,249	28,290	27,945	-0.1	+1.2	-1.2	28,598	28,565	27,605	27,658	+3.4
Nondurable goods industries	170,530	171,310	171,454	-0.5	-0.1	-0.9	171,210	170,980	168,915	171,963	-0.4
With unfilled orders	40,974	41,342	41,468	-0.9	-0.3	-0.2	40,672	40,678	40,008	40,498	+0.4
Food and kindred products	37,716	37,658	37,299	+0.2	+1.0	+0.1	37,873	38,016	37,488	37,807	+0.2
Meat products	4,092	4,095	4,078	-0.1	+0.4	+0.8	4,179	4,056	3,837	4,207	-0.7
Dairy products	4,013	3,914	3,746	+2.5	+4.5	-1.5	3,957	3,859	3,527	3,813	+3.8
Beverages	8,537	8,414	8,347	+1.5	+0.8	+0.2	8,564	8,401	8,270	8,010	+6.9
All other foods, except fats and oils	19,262	19,391	19,254	-0.7	+0.7	+0.4	19,260	19,750	19,943	19,620	-1.8
Tobacco products	5,603	5,682	5,867	-1.4	-3.2	-1.2	6,027	6,193	6,297	6,333	-4.8
Textile mill products	10,021	10,078	10,180	-0.6	-1.0	-0.1	10,125	10,066	9,756	10,347	-2.1
Broadwoven fabrics and other textiles	6,248	6,300	6,348	-0.8	-0.8	-0.2	6,339	6,346	6,134	6,478	-2.1
Paper and allied products	16,072	16,180	16,362	-0.7	-1.1	-0.7	16,189	16,229	16,254	16,500	-1.9
Pulp, paper, and paperboard mill products	6,602	6,618	6,711	-0.2	-1.4	-0.5	6,699	6,668	6,680	6,655	+0.7
Paperboard containers and boxes	3,934	3,985	4,067	-1.3	-2.0	-2.7	3,968	3,994	4,070	4,225	-6.1
Miscellaneous converted paper products	5,536	5,577	5,584	-0.7	-0.1	+0.5	5,522	5,567	5,504	5,620	-1.7
Chemicals and allied products	46,462	46,425	46,217	+0.1	+0.5	-1.4	46,978	46,214	45,696	45,846	+2.5
Industrial chemicals	19,387	19,546	19,802	-0.8	-1.3	-0.4	19,623	19,699	19,910	20,651	-5.0
Drugs, soaps, and toiletries	21,283	21,039	20,634	+1.2	+2.0	-2.9	21,120	20,357	20,000	19,372	+9.0
Petroleum and coal products	10,030	10,245	10,254	-2.1	-0.1	-6.5	9,771	10,000	9,863	11,186	-12.6
Rubber and plastics products	16,651	16,780	16,766	-0.8	+0.1	-0.5	17,009	16,956	16,597	16,977	+0.2
All other nondurable goods	27,975	28,262	28,509	-1.0	-0.9	+0.2	27,238	27,306	26,964	26,967	+1.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1999p	Jan. 1999r	Dec. 1998r	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999p	Jan. 1999r	Dec. 1998r	Feb. 1998	Feb. 99/98	1999p	1998r
SHIPMENTS													
All manufacturing industries	342,611	341,670	344,247	+0.3	-0.7	+0.8	340,152	307,582	342,295	333,973	+1.9	647,734	632,678
Market categories :													
Automotive equipment	15,665	15,564	15,588	+0.6	-0.2	+2.4	17,236	14,335	13,775	15,663	+10.0	31,571	28,114
Home goods and apparel	19,655	19,772	19,303	-0.6	+2.4	+3.3	19,669	16,773	17,296	18,984	+3.6	36,442	35,044
Consumer staples	70,427	69,657	70,525	+1.1	-1.2	+1.7	67,757	65,376	71,044	66,037	+2.6	133,133	130,387
Machinery and equipment	65,785	65,946	67,287	-0.2	-2.0	+0.7	64,212	55,293	74,549	61,903	+3.7	119,505	113,284
Business supplies	25,884	25,855	25,689	+0.1	+0.6	+0.7	25,301	23,652	25,402	24,678	+2.5	48,953	47,901
Construction materials and supplies	22,397	22,012	22,310	+1.7	-1.3	+1.8	21,538	19,222	20,657	20,511	+5.0	40,760	38,978
Defense products	6,932	6,955	6,825	-0.3	+1.9	-5.9	6,986	5,763	7,720	7,005	-0.3	12,749	12,629
Other materials, supplies and and intermediate products	115,866	115,909	116,720	0.0	-0.7	+0.1	117,453	107,168	111,852	119,192	-1.5	224,621	226,341
Durable goods industries :													
Nondefense capital goods [3]	52,781	52,954	54,070	-0.3	-2.1	-0.2	49,946	43,012	63,431	48,305	+3.4	92,958	88,426
Excluding aircraft and parts	44,436	44,409	45,380	+0.1	-2.1	+1.5	42,094	35,904	52,789	41,193	+2.2	77,998	75,497
Defense capital goods [4]	6,721	6,740	6,542	-0.3	+3.0	-5.9	6,726	5,494	7,586	6,612	+1.7	12,220	11,857
Durables excluding capital goods	134,473	134,397	134,919	+0.1	-0.4	+0.9	137,910	121,942	127,263	133,512	+3.3	259,852	248,083
Miscellaneous series :													
Producers' durable equipment	126,727	126,757	128,374	0.0	-1.3	+1.0	128,024	110,374	131,736	122,325	+4.7	238,398	224,054
Household durable goods	10,243	10,053	9,811	+1.9	+2.5	+4.2	10,127	8,465	9,585	9,148	+10.7	18,592	16,790
Information technology industries	25,576	25,864	25,406	-1.1	+1.8	-1.1	23,252	20,126	32,469	22,280	+4.4	43,378	40,660
Health care equipment and products	12,577	12,086	12,819	+4.1	-5.7	+4.1	12,117	11,347	13,884	11,137	+8.8	23,464	22,037
NEW ORDERS													
All manufacturing industries	340,493	349,311	343,982	-2.5	+1.5	+2.4	338,009	325,593	340,465	333,699	+1.3	663,602	644,625
Market categories :													
Automotive equipment	15,592	15,686	15,644	-0.6	+0.3	+2.5	17,173	14,607	13,832	15,662	+9.6	31,780	28,209
Home goods and apparel	19,787	19,681	19,341	+0.5	+1.8	+1.9	20,027	17,165	17,016	19,030	+5.2	37,192	35,440
Consumer staples	70,389	69,754	70,561	+0.9	-1.1	+1.5	67,471	65,594	71,046	65,951	+2.3	133,065	130,290
Machinery and equipment	65,122	69,858	64,980	-6.8	+7.5	+1.8	64,108	60,507	71,377	62,139	+3.2	124,615	118,032
Business supplies	25,830	26,041	25,587	-0.8	+1.8	-0.3	25,097	24,028	25,205	24,808	+1.2	49,125	48,042
Construction materials and supplies	22,521	22,111	22,331	+1.9	-1.0	+2.5	21,782	19,494	20,732	20,802	+4.7	41,276	39,552
Defense products	5,229	8,298	7,616	-37.0	+9.0	+31.4	4,660	8,720	10,338	5,961	-21.8	13,380	13,437
Other materials, supplies and and intermediate products	116,023	117,882	117,922	-1.6	0.0	+2.5	117,691	115,478	110,919	119,346	-1.4	233,169	231,623
Durable goods industries :													
Nondefense capital goods [3]	52,904	56,863	52,005	-7.0	+9.3	+2.6	50,431	47,992	60,728	48,704	+3.5	98,423	92,984
Excluding aircraft and parts	44,982	45,316	47,132	-0.7	-3.9	+7.7	43,002	37,882	53,903	42,573	+1.0	80,884	79,158
Defense capital goods [4]	4,959	8,018	7,449	-38.2	+7.6	+31.7	4,395	8,544	10,338	5,658	-22.3	12,939	12,886
Durables excluding capital goods	133,931	136,827	136,120	-2.1	+0.5	+2.5	137,682	131,472	125,856	133,805	+2.9	269,154	254,435
Miscellaneous series :													
Producers' durable equipment	124,831	131,562	125,888	-5.1	+4.5	+1.1	126,761	118,040	127,794	122,182	+3.7	244,801	229,823
Household durable goods	10,322	10,033	9,854	+2.9	+1.8	+4.1	10,259	8,855	9,336	9,093	+12.8	19,114	16,979
Information technology industries	26,033	26,029	25,664	0.0	+1.4	+2.8	23,903	20,243	32,296	22,687	+5.4	44,146	42,490
Health care equipment and products	12,492	12,225	12,797	+2.2	-4.5	+5.1	12,007	11,778	13,621	11,321	+6.1	23,785	22,497

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and materia handling equipment, metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servic industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engine and parts, ships and tank components; railroad equipment; and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tank and tank components, and search and navigation equipment

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Feb. 1998	Feb. 99/98
UNFILLED ORDERS											
All manufacturing industries	524,559	526,677	519,038	-0.4	+1.5	-0.1	528,854	530,997	512,986	543,505	-2.7
Market categories :											
Automotive equipment	2,524	2,596	2,474	-2.8	+4.9	+2.3	2,614	2,677	2,405	2,582	+1.2
Home goods and apparel	9,020	8,888	8,979	+1.5	-1.0	+0.4	9,061	8,703	8,311	8,954	+1.2
Consumer staples	2,422	2,461	2,364	-1.6	+4.1	+1.5	2,194	2,480	2,262	1,952	+12.4
Machinery and equipment	244,851	245,513	241,602	-0.3	+1.6	-0.9	245,680	245,785	240,571	247,491	-0.7
Business supplies	6,921	6,975	6,789	-0.8	+2.7	-1.5	6,693	6,897	6,521	6,573	+1.8
Construction materials and supplies	17,729	17,605	17,506	+0.7	+0.6	+0.1	17,758	17,513	17,241	18,200	-2.4
Defense products	90,596	92,300	90,957	-1.8	+1.5	+0.9	91,546	93,873	90,916	98,353	-6.9
Other materials, supplies and and intermediate products	150,496	150,339	148,367	+0.1	+1.3	+0.8	153,308	153,069	144,759	159,400	-3.8
Durable goods industries :											
Nondefense capital goods [3]	261,412	261,289	257,382	0.0	+1.5	-0.8	262,547	262,062	257,082	265,774	-1.2
Excluding aircraft and parts	108,328	107,782	106,877	+0.5	+0.8	+1.7	109,463	108,555	106,577	106,833	+2.5
Defense capital goods [4]	95,463	97,225	95,947	-1.8	+1.3	+1.0	96,432	98,763	95,713	103,245	-6.6
Durables excluding capital goods	143,731	144,273	141,843	-0.4	+1.7	+0.9	146,547	146,775	137,245	149,254	-1.8
Miscellaneous series :											
Producers' durable equipment	284,244	286,140	281,337	-0.7	+1.7	-0.9	285,907	287,170	279,504	288,883	-1.0
Household durable goods	5,581	5,502	5,522	+1.4	-0.4	+0.8	5,683	5,551	5,161	5,972	-4.8
Information technology industries	39,980	39,523	39,360	+1.2	+0.4	+0.7	39,884	39,233	39,116	39,800	+0.2
Health care equipment and products	9,770	9,855	9,715	-0.9	+1.4	-0.2	9,946	10,056	9,625	8,926	+11.4
TOTAL INVENTORIES											
All manufacturing industries	465,084	464,873	466,798	0.0	-0.4	-0.9	467,362	462,588	456,330	464,331	+0.7
Market categories :											
Automotive equipment	8,493	8,585	8,669	-1.1	-1.0	+1.1	8,570	8,527	8,265	8,270	+3.6
Home goods and apparel	31,636	31,839	32,246	-0.6	-1.3	-0.8	31,478	31,479	30,811	30,854	+2.0
Consumer staples	73,430	73,431	72,825	0.0	+0.8	-1.5	73,560	73,284	72,343	72,966	+0.8
Machinery and equipment	118,281	117,346	117,856	+0.8	-0.4	-2.1	119,341	116,214	113,597	118,477	+0.7
Business supplies	28,164	28,396	28,256	-0.8	+0.5	-0.2	28,003	27,958	27,239	27,443	+2.0
Construction materials and supplies	28,765	28,844	28,706	-0.3	+0.5	-0.8	29,061	28,806	28,125	28,585	+1.7
Defense products	18,433	18,178	19,283	+1.4	-5.7	+2.4	18,294	17,888	18,604	17,514	+4.5
Other materials, supplies and and intermediate products	157,882	158,254	158,957	-0.2	-0.4	-0.3	159,055	158,432	157,346	160,222	-0.7
Durable goods industries :											
Nondefense capital goods [3]	110,523	109,680	110,184	+0.8	-0.5	-2.0	111,221	108,410	106,039	111,363	-0.1
Excluding aircraft and parts	71,537	71,056	70,941	+0.7	+0.2	-1.1	72,134	70,061	67,978	73,534	-1.9
Defense capital goods [4]	18,862	18,582	19,818	+1.5	-6.2	+3.0	18,718	18,204	19,019	17,877	+4.7
Durables excluding capital goods	165,169	165,301	165,342	-0.1	0.0	-0.6	166,213	164,994	162,357	163,128	+1.9
Miscellaneous series :											
Producers' durable equipment	190,394	189,831	190,338	+0.3	-0.3	-1.5	191,507	188,340	184,320	189,195	+1.2
Household durable goods	16,294	16,445	16,390	-0.9	+0.3	-1.5	16,358	16,363	15,683	15,544	+5.2
Information technology industries	32,023	31,627	31,949	+1.3	-1.0	-1.2	32,227	30,833	30,317	34,372	-6.2
Health care equipment and products	20,096	19,845	19,619	+1.3	+1.2	-2.4	19,974	19,357	19,082	18,684	+6.9

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998	Feb. 1998	Feb. 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	154,359	154,017	154,046	+0.2	0.0	-1.2	154,820	154,756	153,675	154,304	+0.3
Durable goods industries	92,599	91,974	91,740	+0.7	+0.3	-1.5	92,655	92,392	91,318	91,654	+1.1
Stone, clay, and glass products	3,135	3,134	3,150	0.0	-0.5	+0.1	3,139	3,146	3,164	2,961	+6.0
Primary metals	7,612	7,701	7,840	-1.2	-1.8	-1.0	7,515	7,794	8,152	7,647	-1.7
Fabricated metal products	10,420	10,403	10,400	+0.2	0.0	-2.4	10,403	10,498	10,531	10,439	-0.3
Industrial machinery and equipment	19,986	19,997	19,774	-0.1	+1.1	-0.1	20,138	19,876	19,267	19,776	+1.8
Electronic and other electrical equipment	15,661	15,511	15,538	+1.0	-0.2	-1.1	15,561	15,454	15,239	15,752	-1.2
Transportation equipment	15,670	15,257	15,135	+2.7	+0.8	-3.0	15,727	15,340	14,954	15,389	+2.2
Instruments and related products	9,127	8,872	9,012	+2.9	-1.6	-2.3	9,048	8,824	8,855	8,844	+2.3
Lumber, furniture and miscellaneous durable goods	10,988	11,099	10,891	-1.0	+1.9	-1.5	11,124	11,460	11,156	10,846	+2.6
Nondurable goods industries	61,760	62,043	62,306	-0.5	-0.4	-0.7	62,165	62,364	62,357	62,650	-0.8
Food and kindred products	11,361	11,409	11,276	-0.4	+1.2	+0.5	11,511	11,604	11,340	11,415	+0.8
Tobacco products	4,875	4,926	5,064	-1.0	-2.7	-1.4	5,171	5,307	5,408	5,399	-4.2
Textile mill products	2,868	2,881	2,905	-0.5	-0.8	+0.3	2,903	2,880	2,854	3,000	-3.2
Paper and allied products	7,766	7,841	7,930	-1.0	-1.1	-0.5	7,801	7,853	7,994	7,983	-2.3
Chemicals and allied products	15,791	15,811	15,743	-0.1	+0.4	+1.4	15,825	15,743	15,612	15,224	+3.9
Petroleum and coal products	3,102	3,074	3,103	+0.9	-0.9	-14.1	3,050	2,976	3,050	3,643	-16.3
Rubber and plastics products	6,805	6,843	6,881	-0.6	-0.6	-1.5	6,857	6,894	6,930	6,739	+1.8
Apparel, printing and publishing and leather goods	9,192	9,258	9,404	-0.7	-1.6	-0.1	9,047	9,107	9,169	9,247	-2.2
WORK IN PROCESS											
All manufacturing industries	149,071	148,806	150,590	+0.2	-1.2	-1.1	148,965	147,207	145,967	148,206	+0.5
Durable goods industries	119,524	119,364	121,246	+0.1	-1.6	-1.0	119,484	117,801	117,283	118,736	+0.6
Stone, clay, and glass products	1,352	1,404	1,387	-3.7	+1.2	+1.6	1,431	1,392	1,290	1,427	+0.3
Primary metals	8,405	8,533	8,567	-1.5	-0.4	-1.2	8,395	8,509	8,450	8,766	-4.2
Fabricated metal products	9,097	9,067	9,105	+0.3	-0.4	-1.3	8,935	8,899	8,919	8,487	+5.3
Industrial machinery and equipment	22,713	22,551	22,507	+0.7	+0.2	-1.1	22,852	22,125	21,506	23,054	-0.9
Electronic and other electrical equipment	13,708	13,700	13,634	+0.1	+0.5	-2.0	13,786	13,500	13,140	14,752	-6.5
Transportation equipment	49,041	48,845	50,753	+0.4	-3.8	-1.0	48,898	48,409	49,251	47,159	+3.7
Instruments and related products	9,924	9,965	10,004	-0.4	-0.4	-0.1	9,899	9,719	9,587	9,884	+0.2
Lumber, furniture and miscellaneous durable goods	5,284	5,299	5,289	-0.3	+0.2	-0.4	5,288	5,248	5,140	5,207	+1.6
Nondurable goods industries	29,547	29,442	29,344	+0.4	+0.3	-1.5	29,481	29,406	28,684	29,470	0.0
Food and kindred products	6,142	6,029	5,834	+1.9	+3.3	+1.9	6,253	6,352	6,246	5,842	+7.0
Tobacco products	94	95	94	-1.1	+1.1	+2.2	93	98	88	107	-13.1
Textile mill products	2,526	2,553	2,588	-1.1	-1.4	-1.3	2,526	2,561	2,500	2,711	-6.8
Paper and allied products	1,648	1,647	1,655	+0.1	-0.5	+4.8	1,678	1,690	1,661	1,726	-2.8
Chemicals and allied products	8,886	8,604	8,592	+3.3	+0.1	-6.2	8,867	8,461	8,380	8,354	+6.1
Petroleum and coal products	2,214	2,293	2,348	-3.4	-2.3	-4.2	2,168	2,256	2,199	2,677	-19.0
Rubber and plastics products	2,216	2,245	2,232	-1.3	+0.6	-0.2	2,257	2,279	2,195	2,300	-1.9
Apparel, printing and publishing and leather goods	5,821	5,976	6,001	-2.6	-0.4	+1.2	5,639	5,709	5,415	5,753	-2.0
FINISHED GOODS											
All manufacturing industries	161,654	162,050	162,162	-0.2	-0.1	-0.4	163,577	160,625	156,688	161,821	+1.1
Durable goods industries	82,431	82,225	82,358	+0.3	-0.2	0.0	84,013	81,415	78,814	81,978	+2.5
Stone, clay, and glass products	4,791	4,843	4,794	-1.1	+1.0	-0.3	4,945	4,864	4,649	4,940	+0.1
Primary metals	8,237	8,204	8,272	+0.4	-0.8	+0.5	8,360	8,222	8,195	8,059	+3.7
Fabricated metal products	11,348	11,450	11,350	-0.9	+0.9	+0.9	11,579	11,344	10,828	11,265	+2.8
Industrial machinery and equipment	17,977	18,110	18,251	-0.7	-0.8	-0.9	18,652	18,255	17,642	19,232	-3.0
Electronic and other electrical equipment	10,715	10,370	10,614	+3.3	-2.3	-0.7	10,796	10,082	9,998	10,814	-0.2
Transportation equipment	9,722	9,750	9,813	-0.3	-0.6	+2.3	9,895	9,503	8,952	8,845	+11.9
Instruments and related products	7,664	7,606	7,499	+0.8	+1.4	+0.8	7,600	7,288	7,241	7,218	+5.3
Lumber, furniture and miscellaneous durable goods	11,977	11,892	11,765	+0.7	+1.1	-1.3	12,186	11,857	11,309	11,605	+5.0
Nondurable goods industries	79,223	79,825	79,804	-0.8	0.0	-0.8	79,564	79,210	77,874	79,843	-0.3
Food and kindred products	20,213	20,220	20,189	0.0	+0.2	-0.7	20,109	20,060	19,902	20,550	-2.1
Tobacco products	634	661	709	-4.1	-6.8	-0.3	763	788	801	827	-7.7
Textile mill products	4,627	4,644	4,687	-0.4	-0.9	+0.2	4,696	4,625	4,402	4,636	+1.3
Paper and allied products	6,658	6,692	6,777	-0.5	-1.3	-2.3	6,710	6,686	6,599	6,791	-1.2
Chemicals and allied products	21,785	22,010	21,882	-1.0	+0.6	-1.4	22,286	22,010	21,704	22,268	+0.1
Petroleum and coal products	4,714	4,878	4,803	-3.4	+1.6	-2.0	4,553	4,768	4,614	4,866	-6.4
Rubber and plastics products	7,630	7,692	7,653	-0.8	+0.5	+0.3	7,895	7,783	7,472	7,938	-0.5
Apparel, printing and publishing and leather goods	12,962	13,028	13,104	-0.5	-0.6	0.0	12,552	12,490	12,380	11,967	+4.9

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1999[p]	Jan. 1999[r]	Dec. 1998[r]	Nov. 1998	Feb. 1999[p]	Jan. 1999[r]	Dec 1998[r]	Nov 1998
All manufacturing industries	1.36	1.36	1.36	1.38	2.67	2.67	2.61	2.61
Durable goods industries	1.52	1.51	1.51	1.53	3.14	3.14	3.07	3.06
Stone, clay, and glass products	1.10	1.14	1.12	1.13	0.77	0.79	0.78	0.79
Primary metals	1.70	1.71	1.74	1.74	2.06	2.02	2.08	2.08
Fabricated metal products	1.51	1.51	1.50	1.53	1.36	1.35	1.34	1.35
Industrial machinery and equipment	1.65	1.66	1.64	1.66	2.16	2.17	2.12	2.09
Electronic and other electrical equipment	1.25	1.21	1.21	1.24	1.94	1.91	1.83	1.83
Transportation equipment	1.58	1.56	1.58	1.58	9.56	9.55	9.12	8.81
Instruments and related products	1.90	1.89	1.85	1.84	3.33	3.38	3.28	3.27
Nondurable goods industries	1.15	1.16	1.15	1.18	0.65	0.64	0.64	0.65
Food and kindred products	0.91	0.91	0.90	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.38	1.41	1.54	1.75	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.53	1.57	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.20	1.20	1.22	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.40	1.44	1.38	1.44	(X)	(X)	(X)	(X)
Petroleum and coal products	0.90	0.93	0.93	0.99	(X)	(X)	(X)	(X)
Rubber and plastics products	1.22	1.27	1.25	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1999	Feb.[2] 1994-1998	Feb. 1998-Jan. 1999	Feb.[1] 1999	Feb.[2] 1994-1998	Feb. 1998-Jan. 1999	Feb.[1] 1999	Feb.[2] 1994-1998	Feb. 1998-Jan. 1999	Feb.[1] 1999	Feb.[2] 1994-1998	Feb. 1998-Jan. 1999
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.1	0.0
Durable goods industries	0.0	0.2	0.2	0.1	0.4	0.3	0.0	0.2	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.4	(X)	1.0	0.6	(X)	0.6	0.4	(X)	0.2	0.1
Primary metals	-0.2	0.3	0.3	-0.2	0.8	0.8	-0.1	0.4	0.2	(X)	0.1	0.1
Fabricated metal products	(X)	0.4	0.3	(X)	0.8	0.4	(X)	0.3	0.2	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.3	0.3	-0.2	0.4	0.3	-0.3	0.1	0.1	(X)	0.0	0.1
Electronic and other electrical equipment	-0.3	0.4	0.5	-0.1	0.4	1.3	0.2	0.2	0.6	(X)	0.1	0.2
Transportation equipment	-0.2	0.6	0.6	-0.1	1.3	0.9	0.0	0.2	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.4	0.5	(X)	1.6	1.3	(X)	0.4	0.2	(X)	0.2	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7
Rubber and plastics products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
Capital goods industries												
Nondefense	0.2	0.3	0.3	0.1	0.7	0.5	-0.1	0.1	0.1	(X)	0.1	0.1
Defense	-0.1	0.5	0.5	-0.3	7.2	3.3	0.0	0.4	0.2	(X)	0.3	0.2

(X) Not applicable. (NA) Not available.

Note The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

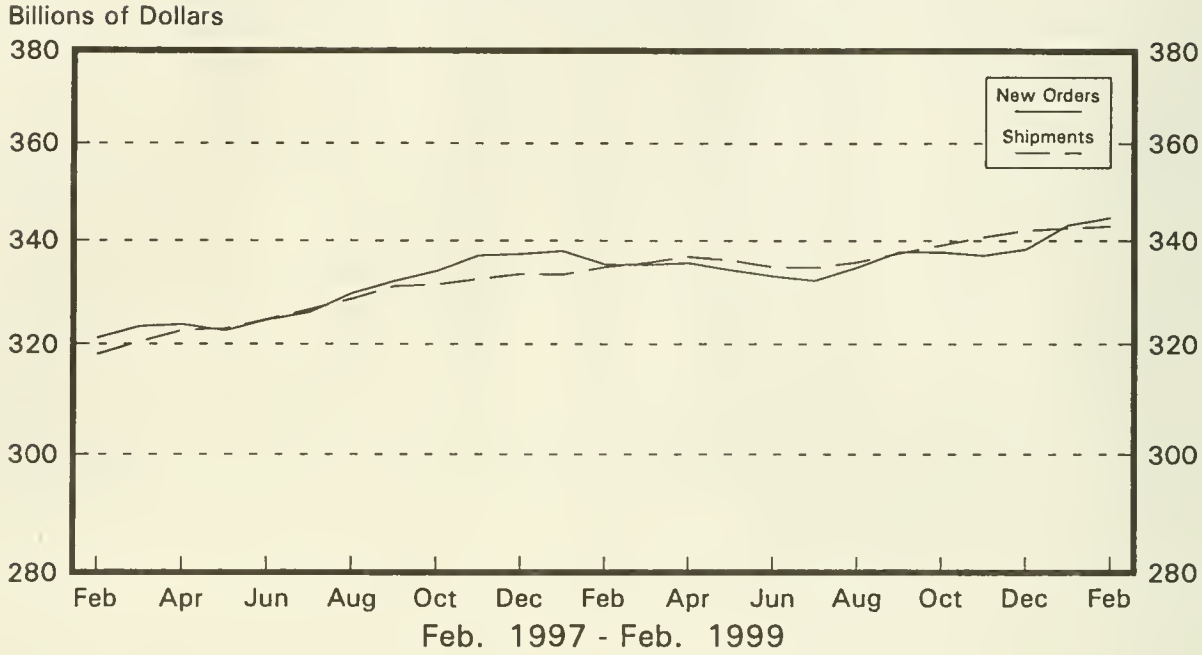
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

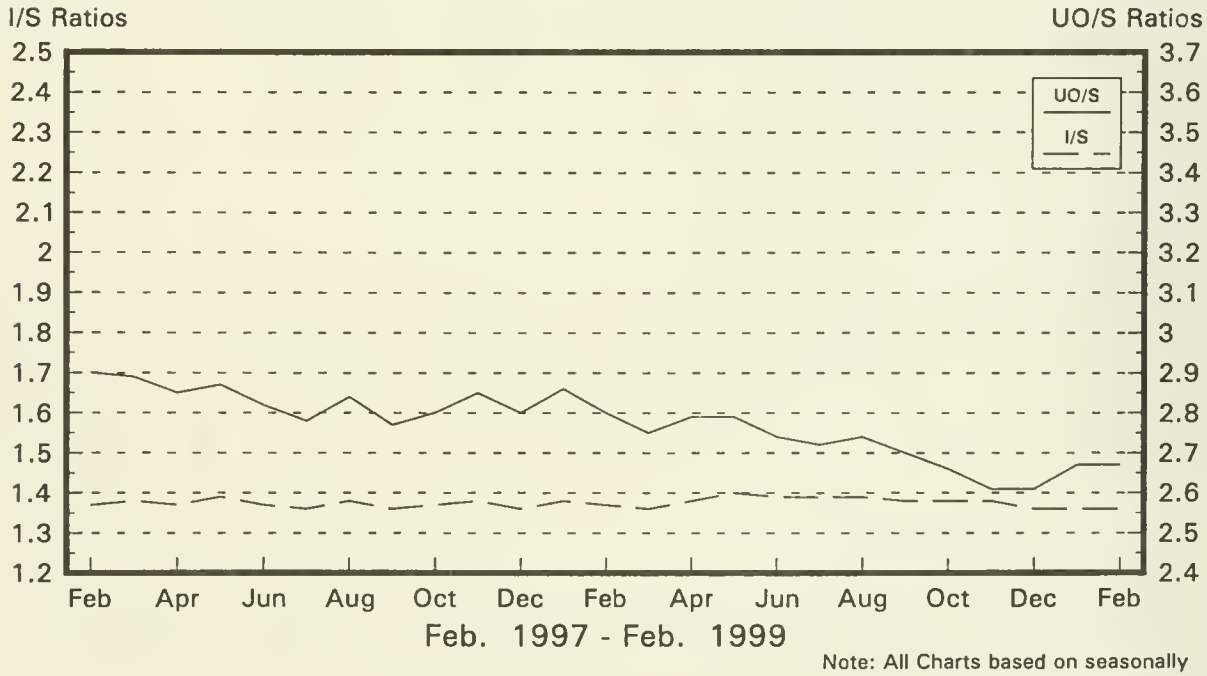
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

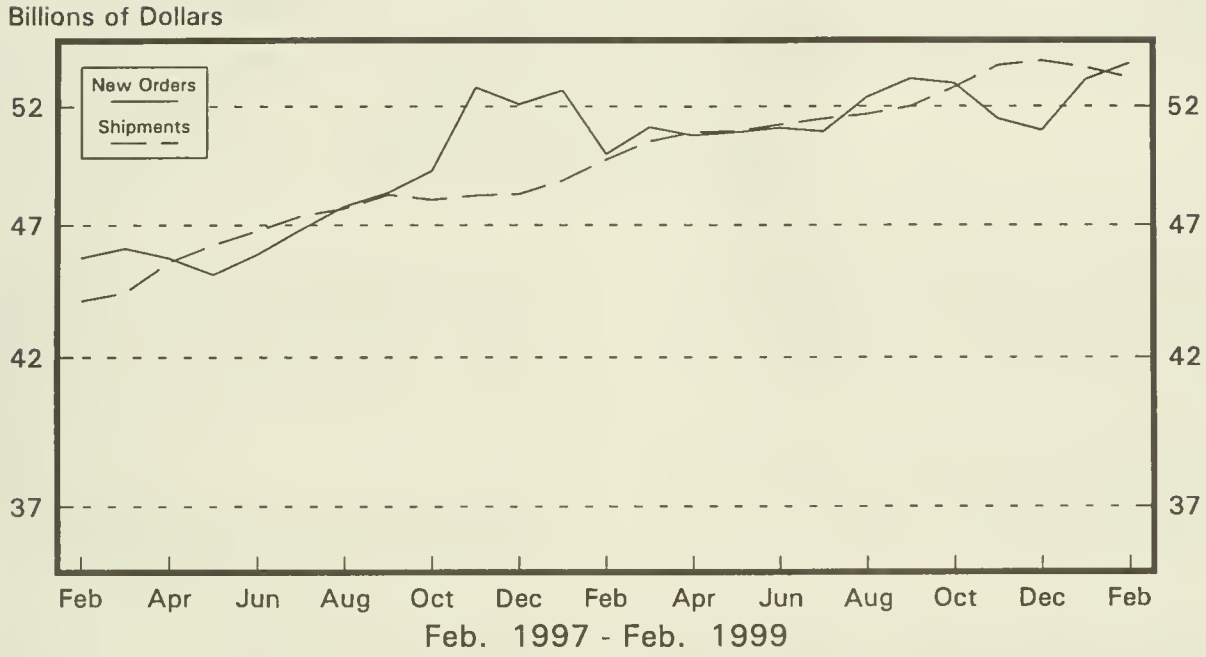
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

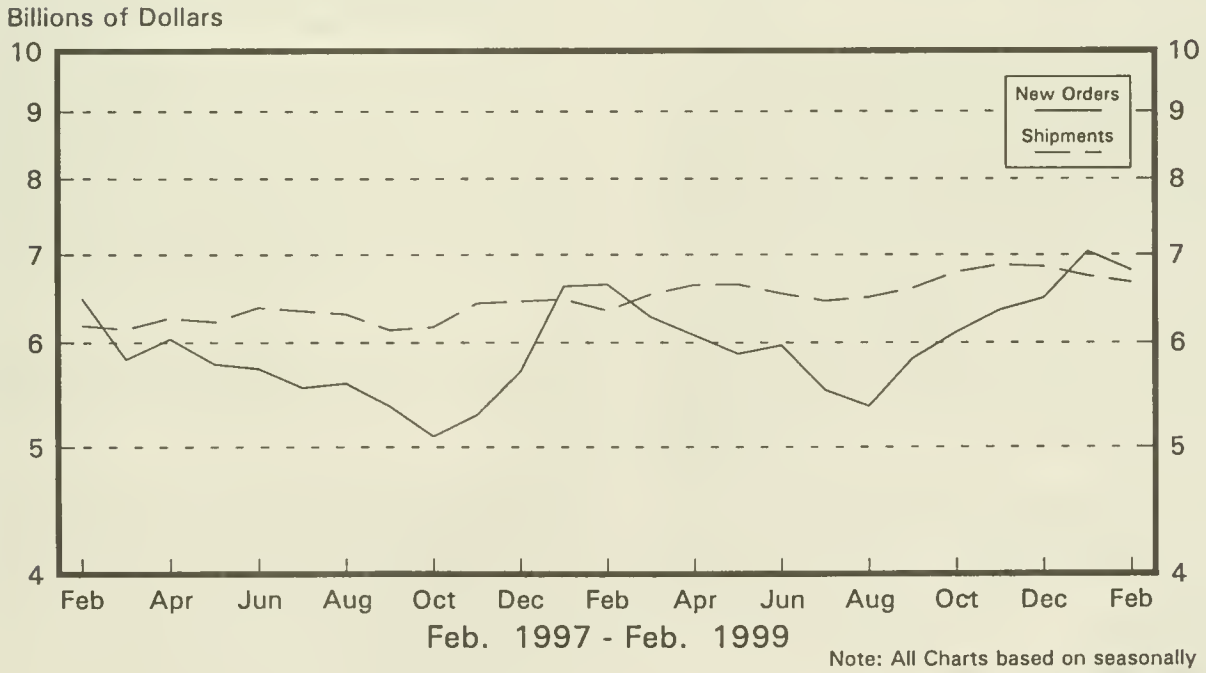
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased $6.9 billion or 2.0 percent to $349.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.8 percent February decrease and is the fourth increase in five months. Excluding transportation, new orders increased 1.4 percent. Year-to-date, new orders are 3.6 percent above the same period a year ago; new orders for the first quarter are 2.7 percent above the fourth quarter.

Shipments increased $5.1 billion or 1.5 percent to $348.9 billion, following a 0.6 percent February increase. This is the eighth increase in the last ten months. Year-to-date, shipments are 2.7 percent above the same period a year ago; shipments for the first quarter are 0.8 percent above the fourth quarter.

Unfilled orders increased $1.0 billion or 0.2 percent to $527.0 billion, following a 0.1 percent February decrease. The unfilled orders-to-shipments ratio was 2.65, down from 2.67 in February.

Inventories decreased $0.8 billion or 0.2 percent to $463.4 billion. This is the fifth consecutive decrease. The inventories-to-shipments ratio was 1.33, down from 1.35 in February.

New Orders

New orders for manufactured durable goods in March increased $5.6 billion or 2.9 percent to $199.4 billion, revised from the previously published 2.0 percent increase. This follows a 3.9 percent February decrease and is the fourth increase in the last five months.

Transportation equipment had the largest increase, $2.8 billion or 6.2 percent to $48.2 billion, due to increases in shipbuilding and tanks and motor vehicles and parts. This follows a 13.3 percent February decrease and is the fourth increase in the last five months. Electronic and other electrical equipment, up three of the last four months, increased $1.3 billion or 4.0 percent to $34.0 billion; led by electronic components, most industries increased. This follows a 6.4 percent February decrease. Industrial machinery and equipment, up for the first month since December, increased $1.2 billion or 3.2 percent to $38.2 billion. This follows a 0.3 percent February decrease.

New orders for nondurable goods increased $1.2 billion or 0.8 percent to $150.5 billion. This follows a 1.1 percent February increase and is the fourth increase in the last five months. Petroleum and coal products had the largest increase.

Shipments

Shipments of durable goods in March increased $3.5 billion or 1.8 percent to $198.0 billion, revised from the previously published 1.3 percent increase. This is the ninth increase in the last ten months. Transportation equipment, up six of the last eight months, had the largest increase, $2.1 billion or 4.3 percent to $49.6 billion; all categories except aircraft and parts increased. This follows a 0.6 percent February increase. Electronic and other electrical equipment, up for the first month since December, increased $0.6 billion or 1.8 percent to $32.8 billion. This follows a 1.8 percent February decrease. Instruments and related products increased $0.3 billion or 2.0 percent to $14.3 billion. This follows a 0.2 percent February increase. Primary metals increased $0.3 billion or 1.9 percent to $14.5 billion, following a 0.6 percent February decrease.

Shipments of nondurable goods, up four of the last five months, increased $1.6 billion or 1.1 percent to $150.9 billion. This follows a 1.1 percent February increase. Petroleum and coal products, up three of the last four months, increased $1.1 billion or 9.7 percent to $12.3 billion, following a 2.0 percent February increase.

Unfilled Orders

Unfilled orders for durable goods in March increased $1.4 billion or 0.3 percent to $503.5 billion, revised from the previously published 0.2 percent increase. This follows a 0.1 percent February decrease. Industrial machinery and equipment, up four consecutive months, had the largest increase, $1.4 billion or 1.9 percent to $76.8 billion. This follows a 0.4 percent February increase. Electronic and other electrical equipment, up four consecutive months, increased $1.2 billion or 1.8 percent to $64.2 billion. This follows a 0.7 percent February increase. Transportation equipment, down six of the last seven months, decreased $1.3 billion or 0.5 percent to $245.0 billion. This follows a 0.8 percent February decrease.

Inventories

Inventories of durable goods in March decreased $0.7 billion or 0.2 percent to $293.4 billion, following a 0.2 percent February increase. This is the fourth decrease in the last five months. Transportation equipment, down four of the last five months, decreased $0.6 billion or 0.8 percent to $73.3 billion, following a 0.2 percent February increase. Primary metals, down for the sixth consecutive month, decreased $0.5 billion or 1.9 percent to $23.7 billion, following a 1.1 percent February decline. Electronic and other electrical equipment increased $0.3 billion or 0.8 percent to $40.4 billion, following a 1.4 percent February increase.

Inventories of nondurable goods, down four consecutive months, decreased $0.2 billion or 0.1 percent to $170.0 billion, following a 0.7 percent February decrease. Chemicals and allied products had the largest decrease, $0.3 billion or 0.7 percent to $46.0 billion. This follows a 0.3 percent February decrease. Petroleum and coal products, up for the first month since November, increased $0.4 billion or 4.1 percent to $10.4 billion, following a 1.9 percent February decrease.

By stage of fabrication, March finished goods increased 0.3 percent in durables and decreased slightly in nondurables. Work in process decreased 0.7 percent in durables and increased 0.7 percent in nondurables. Materials and supplies decreased 0.1 percent in durables and 0.6 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for April is scheduled for May 26, 1999 at 8:30 a.m. and the full report on June 3, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar 1999[p]	Feb 1999[r]	Jan 1999	Feb - Mar	Jan - Feb	Dec - Jan	Mar 1999[p]	Feb 1999[r]	Jan 1999	Mar 1998	Mar 99/98	1999[p]	1998
All manufacturing industries	348,873	343,724	341,673	+1.5	+0.6	-0.7	368,566	341,000	307,582	357,033	+3.2	1,017,148	989,711
Manufacturing Industries													
with unfilled orders	199,096	196,786	197,075	+1.2	-0.1	-0.8	212,881	194,347	173,561	208,267	+2.2	580,789	566,023
without defense capital goods	342,209	336,995	334,933	+1.5	+0.6	-0.8	361,437	334,246	302,088	349,909	+3.3	997,771	970,730
Durable goods industries	197,992	194,465	194,091	+1.8	+0.2	-0.7	214,841	194,919	170,448	205,948	+4.3	580,208	554,314
With unfilled orders	162,004	159,569	159,916	+1.5	-0.2	-1.0	175,787	157,833	139,260	170,420	+3.1	472,880	456,362
Stone, clay, and glass products	8,527	8,456	8,220	+0.8	+2.9	-1.2	8,406	7,961	7,119	7,690	+9.3	23,486	21,626
Primary metals	14,488	14,224	14,312	+1.9	-0.6	+0.6	15,218	14,635	13,586	16,362	-7.0	43,439	47,693
Blast furnaces, steel mills	5,616	5,553	5,396	+1.1	+2.9	+0.7	5,898	5,776	5,236	6,710	-12.1	16,910	19,813
Iron and steel foundries	1,559	1,527	1,525	+2.1	+0.1	-2.8	1,650	1,587	1,397	1,649	+0.1	4,634	4,647
Nonferrous and other primary metals	7,313	7,144	7,391	+2.4	-3.3	+1.3	7,670	7,272	6,953	8,003	-4.2	21,895	23,233
Fabricated metal products	20,406	20,391	20,520	+0.1	-0.6	0.0	21,223	20,585	18,557	20,575	+3.1	60,365	57,867
Industrial machinery and equipment	36,790	36,756	36,513	+0.1	+0.7	-1.0	43,309	35,722	30,345	43,739	-1.0	109,376	109,496
Engines and turbines	2,282	2,312	2,302	-1.3	+0.4	-1.3	2,602	2,291	1,894	2,700	-3.6	6,787	6,505
Farm and garden machinery	2,003	1,941	1,931	+3.2	+0.5	+9.7	2,756	2,275	1,733	2,760	-0.1	6,764	6,995
Construction, mining and material handling equipment	4,142	3,990	3,943	+3.8	+1.2	-1.2	4,610	4,095	3,481	4,598	+0.3	12,186	12,607
Metalworking machinery	3,490	3,545	3,512	-1.6	+0.9	+0.3	3,702	3,383	2,694	3,714	-0.3	9,779	9,659
Computer and office equipment	10,875	11,195	10,971	-2.9	+2.0	-0.5	14,221	9,798	8,033	14,168	+0.4	32,052	30,599
Electronic and other electrical equipment	32,809	32,235	32,830	+1.8	-1.8	-0.5	35,287	31,196	27,811	33,177	+6.4	94,294	88,240
Electrical transmission and distribution equipment and industrial apparatus	3,775	3,625	3,627	+4.1	-0.1	-4.8	4,150	3,676	3,176	4,021	+3.2	11,002	11,000
Household appliances	2,326	2,405	2,256	-3.3	+6.6	+0.7	2,573	2,346	1,825	2,251	+14.3	6,744	5,889
Electric lighting and wiring equipment	2,323	2,234	2,242	+4.0	-0.4	-7.9	2,522	2,286	1,966	2,415	+4.4	6,774	6,658
Household audio and video equipment	1,001	1,046	1,155	-4.3	-9.4	+2.8	961	952	930	1,027	-6.4	2,843	2,785
Communications equipment	8,042	7,634	8,071	+5.3	-5.4	+5.9	9,206	6,876	6,134	7,966	+15.6	22,216	19,362
Electronic components	13,061	13,057	13,310	0.0	-1.9	-1.7	13,667	12,885	11,993	13,360	+2.3	38,545	36,550
Transportation equipment	49,555	47,502	47,236	+4.3	+0.6	-1.4	53,892	50,526	42,646	48,839	+10.3	147,064	132,259
Motor vehicles and parts	33,361	32,118	31,970	+3.9	+0.5	-0.6	36,482	35,628	30,104	32,955	+10.7	102,214	92,079
Aircraft, missiles, space vehicles, and parts	12,197	12,207	12,255	-0.1	-0.4	+1.8	13,155	11,734	10,070	12,302	+6.9	34,959	31,529
Shipbuilding and tanks	1,195	895	1,044	+33.5	-14.3	+14.2	1,251	879	786	1,003	+24.7	2,916	2,462
Instruments and related products	14,327	14,046	14,011	+2.0	+0.2	-2.5	15,459	13,874	12,284	15,181	+1.8	41,617	41,270
Search and navigation equipment	3,176	3,094	3,169	+2.7	-2.4	-2.6	3,401	3,137	2,728	3,215	+5.8	9,266	8,832
Measuring and controlling devices	4,072	4,141	4,077	-1.7	+1.6	+2.1	4,409	4,149	3,633	4,441	-0.7	12,191	12,370
Medical instruments and supplies	4,766	4,650	4,526	+2.5	+2.7	-5.6	5,245	4,594	4,041	4,953	+5.9	13,880	13,312
Photographic goods	1,820	1,653	1,786	+10.1	-7.4	-4.6	1,890	1,511	1,479	2,065	-8.5	4,880	5,425
All other durable goods	21,090	20,855	20,449	+1.1	+2.0	+0.7	22,047	20,420	18,100	20,385	+8.2	60,567	55,862
Nondurable goods industries	150,881	149,259	147,582	+1.1	+1.1	-0.8	153,725	146,081	137,134	151,085	+1.7	436,940	435,397
With unfilled orders	37,092	37,217	37,159	-0.3	+0.2	+0.1	37,094	36,514	34,301	37,847	-2.0	107,909	109,661
Food and kindred products	41,714	41,479	41,319	+0.6	+0.4	-0.6	42,553	40,346	38,810	41,268	+3.1	121,709	118,897
Meat products	8,665	8,590	8,602	+0.9	-0.1	+0.3	8,689	8,337	8,069	8,710	-0.2	25,095	25,193
Dairy products	6,722	6,591	6,640	+2.0	-0.7	-4.4	6,916	6,408	6,508	6,142	+12.6	19,832	17,634
Beverages	6,254	6,272	6,247	-0.3	+0.4	+1.6	6,178	5,658	5,396	5,904	+4.6	17,232	16,707
All other foods, except fats and oils	18,140	18,068	17,903	+0.4	+0.9	+0.8	18,837	17,985	16,910	18,363	+2.6	53,732	52,964
Tobacco products	4,182	4,088	4,017	+2.3	+1.8	+5.2	4,497	4,069	3,820	3,492	+28.8	12,386	9,895
Textile mill products	6,356	6,426	6,581	-1.1	-2.4	+1.7	6,733	6,268	5,769	7,381	-8.8	18,770	20,455
Broadwoven fabrics and other textiles	3,608	3,694	3,851	-2.3	-4.1	+1.1	3,960	3,680	3,481	4,753	-16.7	11,121	12,890
Paper and allied products	13,380	13,662	13,443	-2.1	+1.6	-1.7	13,434	13,749	12,931	14,092	-4.7	40,114	41,574
Pulp, paper, and paperboard mill products	5,167	5,236	5,177	-1.3	+1.1	+2.3	5,217	5,265	4,983	5,531	-5.7	15,465	16,471
Paperboard containers and boxes	3,260	3,368	3,401	-3.2	-1.0	-5.3	3,293	3,386	3,275	3,677	-10.4	9,954	10,701
Miscellaneous converted paper products	4,953	5,058	4,865	-2.1	+4.0	-3.0	4,924	5,098	4,673	4,884	+0.8	14,695	14,402
Chemicals and allied products	33,472	33,196	32,305	+0.8	+2.8	-3.8	35,356	32,585	30,801	34,428	+2.7	98,742	97,767
Industrial chemicals	14,602	14,670	14,688	-0.5	-0.1	-0.9	15,148	14,938	14,104	15,854	-4.5	44,190	46,704
Drugs, soaps, and toiletries	14,875	14,690	13,914	+1.3	+5.6	-5.9	15,677	13,883	13,458	14,157	+10.7	43,018	39,300
Petroleum and coal products	12,349	11,262	11,040	+9.7	+2.0	-0.2	11,384	10,137	9,819	11,809	-3.6	31,340	35,560
Rubber and plastics products	13,729	13,718	13,207	+0.1	+3.9	-1.4	14,392	13,907	12,207	13,753	+4.6	40,506	39,258
All other nondurable goods	25,699	25,428	25,670	+1.1	-0.9	+2.1	25,376	25,020	22,977	24,862	+2.1	73,373	71,991

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Mar. 1998	Mar. 99/98	1999[p]	1998
All manufacturing industries	349,912	343,046	349,314	+2.0	-1.8	+1.6	367,892	339,552	325,593	351,066	+4.8	1,033,037	995,691
lanufacturing industries with unfilled orders	200,135	196,108	204,716	+2.1	-4.2	+3.2	212,207	192,899	191,572	202,300	+4.9	596,678	572,003
without defense capital goods	342,324	337,547	341,296	+1.4	-1.1	+1.4	358,713	334,897	317,049	344,415	+4.2	1,010,659	976,154
urable goods industries	199,419	193,786	201,708	+2.9	-3.9	+3.1	214,187	193,524	188,008	199,682	+7.3	595,719	559,987
With unfilled orders	163,431	158,890	167,533	+2.9	-5.2	+3.7	175,133	156,438	156,820	164,154	+6.7	488,391	462,035
one, clay, and glass products	8,576	8,404	8,248	+2.0	+1.9	-0.5	8,504	7,946	7,282	7,770	+9.4	23,732	21,905
imary metals	14,418	14,601	13,660	-1.3	+6.9	-3.0	15,370	16,011	13,954	15,576	-1.3	45,335	49,029
Blast furnaces, steel mills	5,744	5,882	4,957	-2.3	+18.7	-7.0	6,101	6,603	5,377	6,601	-7.6	18,081	20,831
Iron and steel foundries	1,378	1,373	1,504	+0.4	-8.7	+5.0	1,532	1,564	1,495	1,881	-18.6	4,591	5,264
Nonferrous and other primary metals	7,296	7,346	7,199	-0.7	+2.0	-1.7	7,737	7,844	7,082	7,094	+9.1	22,663	22,934
abricated metal products	20,488	20,421	20,735	+0.3	-1.5	+1.3	21,296	20,746	19,120	20,464	+4.1	61,162	58,310
dustrial machinery and equipment	38,234	37,037	37,164	+3.2	-0.3	-2.8	43,978	36,232	31,857	43,413	+1.3	112,067	110,623
Engines and turbines	3,598	2,930	2,713	+22.8	+8.0	-27.8	3,489	2,603	2,156	2,024	+72.4	8,248	5,555
Construction, mining and material handling equipment	3,942	3,880	3,918	+1.6	-1.0	-4.0	4,538	4,240	3,771	5,040	-10.0	12,549	13,975
Metalworking machinery	3,472	3,673	3,629	-5.5	+1.2	+13.8	3,684	3,511	2,811	3,867	-4.7	10,006	9,974
Computer and office equipment	11,158	10,921	10,993	+2.2	-0.7	-4.9	14,386	9,637	8,021	14,053	+2.4	32,044	30,623
ectronic and other lectrical equipment	33,969	32,651	34,895	+4.0	-6.4	+3.1	34,077	30,336	34,752	31,333	+8.8	99,165	90,916
Electrical transmission and distribution equipment and industrial apparatus	3,827	3,646	3,527	+5.0	+3.4	-7.3	4,213	3,823	3,247	3,969	+6.1	11,283	11,140
Electric lighting and wiring equipment	2,299	2,266	2,344	+1.5	-3.3	-7.6	2,498	2,318	2,068	2,385	+4.7	6,884	6,873
Communications equipment	8,425	8,130	8,224	+3.6	-1.1	+11.7	9,553	7,393	6,254	8,441	+13.2	23,200	21,475
Electronic components	13,750	13,070	15,211	+5.2	-14.1	+5.5	12,201	11,466	18,008	11,299	+8.0	41,675	36,375
ansportation equipment	48,227	45,421	52,396	+6.2	-13.3	+13.5	53,450	47,632	50,028	46,424	+15.1	151,110	132,665
Aircraft, missiles, space vehicles, and parts.	10,699	10,978	15,535	-2.5	-29.3	+97.9	12,616	9,641	15,041	10,214	+23.5	37,298	31,815
Shipbuilding and tanks	2,077	433	2,014	379.7	-78.5	-14.3	2,127	389	1,809	957	122.3	4,325	2,380
struments and related products	14,220	14,177	14,153	+0.3	+0.2	+0.3	15,203	14,012	12,806	14,524	+4.7	42,021	40,890
Search and navigation equipment	3,016	3,177	3,055	-5.1	+4.0	+4.4	3,444	3,194	2,728	3,113	+10.6	9,366	8,520
Measuring and controlling devices	4,001	4,237	4,200	-5.6	+0.9	+2.9	4,338	4,245	3,756	4,280	+1.4	12,339	12,241
Medical instruments and supplies	4,934	4,606	4,665	+7.1	-1.3	-2.2	5,028	4,492	4,473	4,747	+5.9	13,993	13,568
other durable goods	21,287	21,074	20,457	+1.0	+3.0	+0.5	22,309	20,609	18,209	20,178	+10.6	61,127	55,649
ndurable goods industries	150,493	149,260	147,606	+0.8	+1.1	-0.5	153,705	146,028	137,585	151,384	+1.5	437,318	435,704
With unfilled orders	36,704	37,218	37,183	-1.4	+0.1	+1.0	37,074	36,461	34,752	38,146	-2.8	108,287	109,968

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), lanufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Mar. 1998	Mar. 99/98
All manufacturing industries	527,038	525,999	526,677	+0.2	-0.1	+1.5	528,875	529,549	530,997	537,538	-1.6
Manufacturing industries without defense capital goods	430,119	430,004	429,452	0.0	+0.1	+1.5	430,161	432,885	432,234	434,766	-1.1
Durable goods industries	503,535	502,108	502,787	+0.3	-0.1	+1.5	505,551	506,205	507,600	512,007	-1.3
Stone, clay, and glass products	6,246	6,197	6,249	+0.8	-0.8	+0.5	6,317	6,219	6,234	6,455	-2.1
Primary metals	29,209	29,279	28,902	-0.2	+1.3	-2.2	30,743	30,591	29,215	35,674	-13.8
Blast furnaces, steel mills	11,448	11,320	10,991	+1.1	+3.0	-3.8	12,206	12,003	11,176	15,376	-20.6
Iron and steel foundries	5,102	5,283	5,437	-3.4	-2.8	-0.4	5,309	5,427	5,450	6,093	-12.9
Nonferrous and other primary metals	12,659	12,676	12,474	-0.1	+1.6	-1.5	13,228	13,161	12,589	14,205	-6.9
Fabricated metal products	26,221	26,139	26,109	+0.3	+0.1	+0.8	26,231	26,158	25,997	26,793	-2.1
Industrial machinery and equipment	76,834	75,390	75,109	+1.9	+0.4	+0.9	77,132	76,463	75,953	74,552	+3.5
Engines and turbines	20,427	19,111	18,493	+6.9	+3.3	+2.3	20,186	19,299	18,987	11,584	+74.3
Construction, mining and material handling equipment	9,505	9,705	9,815	-2.1	-1.1	-0.3	9,996	10,068	9,923	11,734	-14.8
Metalworking machinery	6,673	6,691	6,563	-0.3	+2.0	+1.8	6,673	6,691	6,563	7,464	-10.6
Computer and office equipment	8,193	7,910	8,184	+3.6	-3.3	+0.3	7,933	7,768	7,929	7,656	+3.6
Electronic and other electrical equipment	64,171	63,011	62,595	+1.8	+0.7	+3.4	62,677	63,887	64,747	55,982	+12.0
Electrical transmission and distribution equipment and industrial apparatus	6,332	6,280	6,259	+0.8	+0.3	-1.6	6,462	6,399	6,252	6,658	-2.9
Electric lighting and wiring equipment	5,132	5,156	5,124	-0.5	+0.6	+2.0	5,132	5,156	5,124	5,142	-0.2
Communications equipment	18,065	17,682	17,186	+2.2	+2.9	+0.9	18,041	17,694	17,177	16,441	+9.7
Electronic components	28,461	27,772	27,759	+2.5	0.0	+7.4	26,785	28,251	29,670	21,365	+25.4
Transportation equipment	244,956	246,284	248,365	-0.5	-0.8	+2.1	246,630	247,072	249,966	254,923	-3.3
Aircraft, missiles, space vehicles, and parts	204,987	206,485	207,714	-0.7	-0.6	+1.6	206,347	206,886	208,979	218,406	-5.5
Shipbuilding and tanks	20,763	19,881	20,343	+4.4	-2.3	+5.0	20,731	19,855	20,345	18,348	+13.0
Instruments and related products	47,315	47,422	47,291	-0.2	+0.3	+0.3	47,589	47,845	47,707	49,749	-4.3
Search and navigation equipment	26,069	26,229	26,146	-0.6	+0.3	-0.4	26,528	26,485	26,428	28,930	-8.3
Measuring and controlling devices	10,333	10,404	10,308	-0.7	+0.9	+1.2	10,333	10,404	10,308	10,724	-3.6
Medical instruments and supplies	9,938	9,770	9,814	+1.7	-0.4	+1.4	9,699	9,916	10,018	8,679	+11.8
All other durable goods	8,583	8,386	8,167	+2.3	+2.7	+0.1	8,232	7,970	7,781	7,879	+4.5
Nondurable goods industries	23,503	23,891	23,890	-1.6	0.0	+0.1	23,324	23,344	23,397	25,531	-8.6

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Mar. 1998	Mar. 99/98
All manufacturing industries	463,352	464,198	464,867	-0.2	-0.1	-0.4	462,248	466,680	462,588	461,334	+0.2
Manufacturing industries											
with unfilled orders	309,857	310,711	310,790	-0.3	0.0	-0.6	308,071	311,232	307,625	306,726	+0.4
without defense capital goods	444,799	445,418	446,285	-0.1	-0.2	-0.2	443,865	447,999	444,384	443,474	+0.1
Durable goods industries	293,363	294,030	293,563	-0.2	+0.2	-0.6	292,497	295,766	291,608	290,205	+0.8
With unfilled orders	268,922	269,926	269,448	-0.4	+0.2	-0.7	267,352	270,750	266,947	265,954	+0.5
Stone, clay, and glass products	9,280	9,263	9,381	+0.2	-1.3	+0.5	9,492	9,499	9,402	9,338	+1.6
Primary metals	23,722	24,176	24,438	-1.9	-1.1	-1.0	23,580	24,258	24,525	24,192	-2.5
Blast furnaces, steel mills	11,590	11,776	11,924	-1.6	-1.2	-1.1	11,375	11,779	12,085	11,639	-2.3
Iron and steel foundries	1,627	1,624	1,614	+0.2	+0.6	+2.2	1,678	1,652	1,598	1,591	+5.5
Nonferrous and other primary metals	10,505	10,776	10,900	-2.5	-1.1	-1.3	10,527	10,827	10,842	10,962	-4.0
Fabricated metal products	30,776	30,849	30,920	-0.2	-0.2	+0.2	31,001	30,909	30,741	30,683	+1.0
Industrial machinery and equipment	60,877	60,673	60,658	+0.3	0.0	+0.2	60,456	61,627	60,256	60,478	0.0
Engines and turbines	4,227	4,111	4,097	+2.8	+0.3	+5.8	4,161	4,127	3,961	4,248	-2.0
Farm and garden machinery	3,752	3,747	3,770	+0.1	-0.6	-2.5	3,982	4,176	4,136	3,989	-0.2
Construction, mining and material handling equipment	9,059	9,097	9,099	-0.4	0.0	+0.6	9,135	9,256	9,110	8,472	+7.8
Metalworking machinery	7,957	7,938	7,980	+0.2	-0.5	+0.6	7,811	7,867	7,774	7,269	+7.5
Computer and office equipment	9,216	9,164	9,045	+0.6	+1.3	-0.2	8,713	9,372	8,714	9,669	-9.9
Electronic and other electrical equipment	40,439	40,133	39,581	+0.8	+1.4	-0.5	40,086	40,123	39,036	40,951	-2.1
Electrical transmission and distribution equipment and industrial apparatus	5,281	5,365	5,423	-1.6	-1.1	-2.0	5,276	5,455	5,421	5,578	-5.4
Household appliances	2,395	2,399	2,403	-0.2	-0.2	0.0	2,478	2,486	2,351	2,449	+1.2
Electric lighting and wiring equipment	3,485	3,457	3,448	+0.8	+0.3	-0.3	3,438	3,441	3,371	3,349	+2.7
Household audio and video equipment	967	1,006	1,022	-3.9	-1.6	-0.6	903	988	986	877	+3.0
Communications equipment	10,638	9,836	9,484	+8.2	+3.7	-3.1	10,424	9,715	9,376	10,422	0.0
Electronic components	14,034	14,378	14,045	-2.4	+2.4	+0.9	13,955	14,401	13,874	14,762	-5.5
Transportation equipment	73,346	73,972	73,852	-0.8	+0.2	-2.4	73,238	74,203	73,252	71,066	+3.1
Motor vehicles and parts	17,222	16,978	17,101	+1.4	-0.7	-1.8	17,483	17,026	17,090	16,865	+3.7
Aircraft, missiles, space vehicles, and parts	50,353	51,068	50,955	-1.4	+0.2	-3.2	49,909	51,217	50,362	48,807	+2.3
Shipbuilding and tanks	2,042	1,888	1,858	+8.2	+1.6	-4.3	2,121	1,907	1,885	1,722	+23.2
Instruments and related products	26,635	26,757	26,443	-0.5	+1.2	-0.3	26,404	26,604	25,831	26,116	+1.1
Search and navigation equipment	6,797	6,730	6,569	+1.0	+2.5	-0.1	6,698	6,661	6,378	6,495	+3.1
Measuring and controlling devices	7,923	7,986	7,979	-0.8	+0.1	-1.2	7,908	7,969	7,857	8,143	-2.9
Medical instruments and supplies	8,552	8,599	8,455	-0.5	+1.7	+0.2	8,446	8,567	8,328	8,213	+2.8
Photographic goods	2,604	2,691	2,695	-3.2	-0.1	+0.6	2,590	2,661	2,534	2,565	+1.0
All other durable goods	28,288	28,207	28,290	+0.3	-0.3	+1.2	28,240	28,543	28,565	27,381	+3.1
Nondurable goods industries	169,989	170,168	171,304	-0.1	-0.7	-0.1	169,751	170,914	170,980	171,129	-0.8
With unfilled orders	40,935	40,785	41,342	+0.4	-1.3	-0.3	40,719	40,482	40,678	40,772	-0.1
Food and kindred products	37,698	37,773	37,658	-0.2	+0.3	+1.0	37,292	37,974	38,016	37,083	+0.6
Meat products	4,195	4,164	4,095	+0.7	+1.7	+0.4	4,283	4,268	4,056	4,161	+2.9
Dairy products	3,946	3,967	3,914	-0.5	+1.4	+4.5	3,921	3,910	3,859	3,816	+2.8
Beverages	8,515	8,558	8,414	-0.5	+1.7	+0.8	8,553	8,602	8,401	8,120	+5.3
All other foods, except fats and oils	19,218	19,252	19,391	-0.2	-0.7	+0.7	18,683	19,258	19,750	19,039	-1.9
Tobacco products	5,362	5,513	5,682	-2.7	-3.0	-3.2	5,416	5,947	6,193	5,980	-9.4
Textile mill products	10,073	10,025	10,078	+0.5	-0.5	-1.0	10,077	10,129	10,066	10,249	-1.7
Broadwoven fabrics and other textiles	6,229	6,248	6,300	-0.3	-0.8	-0.8	6,201	6,343	6,346	6,340	-2.2
Paper and allied products	16,081	16,078	16,180	0.0	-0.6	-1.1	16,221	16,197	16,229	16,516	-1.8
Pulp, paper, and paperboard mill products	6,569	6,591	6,618	-0.3	-0.4	-1.4	6,631	6,700	6,668	6,623	+0.1
Paperboard containers and boxes	3,943	3,943	3,985	0.0	-1.1	-2.0	3,987	3,975	3,994	4,275	-6.7
Miscellaneous converted paper products	5,569	5,544	5,577	+0.5	-0.6	-0.1	5,603	5,522	5,567	5,618	-0.3
Chemicals and allied products	45,990	46,295	46,425	-0.7	-0.3	+0.5	46,273	46,841	46,214	45,734	+1.2
Industrial chemicals	19,201	19,316	19,546	-0.6	-1.2	-1.3	19,202	19,554	19,699	20,357	-5.7
Drugs, soaps, and toiletries	20,886	21,170	21,039	-1.3	+0.6	+2.0	20,670	21,045	20,357	19,509	+6.0
Petroleum and coal products	10,449	10,040	10,239	+4.1	-1.9	-0.1	10,312	9,724	10,000	11,239	-8.2
Rubber and plastics products	16,656	16,710	16,780	-0.3	-0.4	+0.1	16,968	17,095	16,956	16,847	+0.7
All other nondurable goods	27,680	27,734	28,262	-0.2	-1.9	-0.9	27,192	27,007	27,306	27,481	-1.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1999p	Feb. 1999r	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999p	Feb. 1999r	Jan 1999	Mar. 1998	Mar. 99/98	1999p	1998
SHIPMENTS													
All manufacturing industries	348,873	343,724	341,673	+1.5	+0.6	-0.7	368,566	341,000	307,582	357,033	+3.2	1,017,148	989,711
Market categories :													
Automotive equipment	16,307	15,796	15,564	+3.2	+1.5	-0.2	17,846	17,256	14,335	16,014	+11.4	49,437	44,128
Home goods and apparel	19,680	19,741	19,772	-0.3	-0.2	+2.4	20,772	19,763	16,773	19,865	+4.6	57,308	54,909
Consumer staples	72,090	70,814	69,658	+1.8	+1.7	-1.2	73,274	67,997	65,376	69,567	+5.3	206,647	199,954
Machinery and equipment	67,900	65,797	65,946	+3.2	-0.2	-2.0	76,539	64,180	55,293	72,950	+4.9	196,012	186,234
Business supplies	26,416	26,020	25,856	+1.5	+0.6	+0.7	26,725	25,461	23,652	25,818	+3.5	75,838	73,719
Construction materials and supplies	22,620	22,437	22,012	+0.8	+1.9	-1.3	22,833	21,548	19,222	21,737	+5.0	63,603	60,715
Defense products	6,907	6,930	6,955	-0.3	-0.4	+1.9	7,382	7,001	5,763	7,425	-0.6	20,146	20,054
Other materials, supplies and and intermediate products	116,953	116,189	115,910	+0.7	+0.2	-0.7	123,195	117,794	107,168	123,657	-0.4	348,157	349,998
Durable goods industries :													
Nondefense capital goods [3]	54,213	52,772	52,954	+2.7	-0.3	-2.1	62,083	50,014	43,012	59,619	+4.1	155,109	148,045
Excluding aircraft and parts	45,540	44,228	44,409	+3.0	-0.4	-2.1	52,699	41,929	35,904	51,175	+3.0	130,532	126,672
Defense capital goods [4]	6,664	6,729	6,740	-1.0	-0.2	+3.0	7,129	6,754	5,494	7,124	+0.1	19,377	18,981
Durables excluding capital goods	137,115	134,964	134,397	+1.6	+0.4	-0.4	145,629	138,151	121,942	139,205	+4.6	405,722	387,288
Miscellaneous series :													
Producers' durable equipment	129,792	126,816	126,757	+2.3	0.0	-1.3	143,891	127,867	110,374	136,402	+5.5	382,132	360,456
Household durable goods	10,106	10,279	10,053	-1.7	+2.2	+2.5	11,115	10,162	8,465	10,194	+9.0	29,742	26,984
Information technology industries	25,716	25,468	25,864	+1.0	-1.5	+1.8	30,702	23,214	20,126	29,449	+4.3	74,042	70,109
Health care equipment and products	12,842	12,624	12,086	+1.7	+4.5	-5.7	13,757	12,146	11,347	12,645	+8.8	37,250	34,682
NEW ORDERS													
All manufacturing industries	349,912	343,046	349,314	+2.0	-1.8	+1.6	367,892	339,552	325,593	351,066	+4.8	1,033,037	995,691
Market categories :													
Automotive equipment	16,291	15,726	15,686	+3.6	+0.3	+0.3	17,804	17,200	14,607	15,979	+11.4	49,611	44,188
Home goods and apparel	19,852	19,940	19,681	-0.4	+1.3	+1.8	20,924	20,139	17,165	19,397	+7.9	58,228	54,837
Consumer staples	72,194	70,782	69,755	+2.0	+1.5	-1.1	73,395	67,713	65,594	69,643	+5.4	206,702	199,933
Machinery and equipment	67,441	65,715	69,858	+2.6	-5.9	+7.5	75,478	64,574	60,507	70,959	+6.4	200,559	188,991
Business supplies	26,531	25,967	26,042	+2.2	-0.3	+1.8	26,906	25,250	24,028	25,869	+4.0	76,184	73,911
Construction materials and supplies	22,682	22,578	22,111	+0.5	+2.1	-1.0	22,979	21,798	19,494	21,734	+5.7	64,271	61,280
Defense products	7,926	5,757	8,298	+37.7	-30.6	+9.0	9,462	4,886	8,720	6,727	+40.7	23,068	20,164
Other materials, supplies and and intermediate products	116,995	116,581	117,883	+0.4	-1.1	0.0	120,944	117,992	115,478	120,758	+0.2	354,414	352,381
Durable goods industries :													
Nondefense capital goods [3]	53,790	53,233	56,863	+1.0	-6.4	+9.3	60,936	50,791	47,992	57,653	+5.7	159,719	150,637
Excluding aircraft and parts	47,425	45,522	45,316	+4.2	+0.5	-3.9	53,860	43,539	37,882	50,464	+6.7	135,281	129,622
Defense capital goods [4]	7,588	5,499	8,018	+38.0	-31.4	+7.6	9,179	4,655	8,544	6,651	+38.0	22,378	19,537
Durables excluding capital goods	138,041	135,054	136,827	+2.2	-1.3	+0.5	144,072	138,078	131,472	135,378	+6.4	413,622	389,813
Miscellaneous series :													
Producers' durable equipment	129,282	125,786	131,562	+2.8	-4.4	+4.5	142,100	127,342	118,040	133,249	+6.6	387,482	363,072
Household durable goods	10,339	10,429	10,033	-0.9	+3.9	+1.8	11,190	10,311	8,855	9,646	+16.0	30,356	26,625
Information technology industries	26,174	26,329	26,029	-0.6	+1.2	+1.4	31,061	24,249	20,243	29,602	+4.9	75,553	72,092
Health care equipment and products	13,011	12,580	12,225	+3.4	+2.9	-4.5	13,541	12,044	11,778	12,439	+8.9	37,363	34,936

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and er and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Mar. 1998	Mar. 99/98
UNFILLED ORDERS											
manufacturing industries	527,038	525,999	526,677	+0.2	-0.1	+1.5	528,875	529,549	530,997	537,538	-1.6
ket categories :											
utomotive equipment	2,510	2,526	2,596	-0.6	-2.7	+4.9	2,578	2,621	2,677	2,547	+1.2
ome goods and apparel	9,259	9,087	8,888	+1.9	+2.2	-1.0	9,231	9,079	8,703	8,486	+8.8
onsumer staples	2,532	2,428	2,461	+4.3	-1.3	+4.1	2,318	2,196	2,480	2,028	+14.3
achinery and equipment	244,973	245,431	245,513	-0.2	0.0	+1.6	245,118	246,179	245,785	245,500	-0.2
usiness supplies	7,037	6,922	6,975	+1.7	-0.8	+2.7	6,866	6,686	6,897	6,624	+3.7
onstruction materials nd supplies	17,808	17,746	17,605	+0.3	+0.8	+0.6	17,909	17,763	17,513	18,196	-1.6
fense products	92,146	91,127	92,300	+1.1	-1.3	+1.5	93,837	91,758	93,873	97,655	-3.9
her materials, supplies and nd intermediate products	150,773	150,732	150,339	0.0	+0.3	+1.3	151,018	153,267	153,069	156,502	-3.5
ole goods industries :											
ndefense capital goods [3]	261,327	261,750	261,289	-0.2	+0.2	+1.5	261,692	262,839	262,062	263,808	-0.8
xcluding aircraft and parts	110,961	109,076	107,782	+1.7	+1.2	+0.8	111,326	110,165	108,555	106,122	+4.9
fense capital goods [4]	96,919	95,995	97,225	+1.0	-1.3	+1.3	98,714	96,664	98,763	102,772	-3.9
rables excluding capital goods	145,289	144,363	144,273	+0.6	+0.1	+1.7	145,145	146,702	146,775	145,427	-0.2
llaneous series :											
ducers' durable equipment	284,600	285,110	286,140	-0.2	-0.4	+1.7	284,854	286,645	287,170	285,730	-0.3
usehold durable goods	5,885	5,652	5,502	+4.1	+2.7	-0.4	5,775	5,700	5,551	5,424	+6.5
ormation technology industries	40,842	40,384	39,523	+1.1	+2.2	+0.4	40,627	40,268	39,233	39,953	+1.7
alth care equipment nd products	9,979	9,811	9,855	+1.7	-0.4	+1.4	9,738	9,954	10,056	8,720	+11.7
TOTAL INVENTORIES											
manufacturing industries	463,352	464,198	464,867	-0.2	-0.1	-0.4	462,248	466,680	462,588	461,334	+0.2
t categories :											
omotive equipment	8,668	8,516	8,585	+1.8	-0.8	-1.0	8,819	8,570	8,527	8,434	+4.6
me goods and apparel	31,491	31,578	31,839	-0.3	-0.8	-1.3	31,221	31,434	31,479	31,005	+0.7
sumer staples	73,186	73,309	73,427	-0.2	-0.2	+0.8	72,547	73,478	73,284	72,247	+0.4
chinery and equipment	118,483	118,149	117,346	+0.3	+0.7	-0.4	117,723	119,200	116,214	116,222	+1.3
iness supplies	28,085	27,965	28,395	+0.4	-1.5	+0.5	28,033	27,779	27,958	27,780	+0.9
istruction materials d supplies	28,722	28,741	28,844	-0.1	-0.4	+0.5	28,959	29,050	28,806	28,551	+1.4
ense products	18,178	18,365	18,178	-1.0	+1.0	-5.7	18,010	18,267	17,888	17,479	+3.0
er materials, supplies and d intermediate products	156,539	157,575	158,253	-0.7	-0.4	-0.4	156,936	158,902	158,432	159,616	-1.7
le goods industries :											
ndefense capital goods [3]	110,590	110,270	109,680	+0.3	+0.5	-0.5	109,438	110,960	108,410	108,577	+0.8
cluding aircraft and parts	72,329	71,701	71,056	+0.9	+0.9	+0.2	71,466	72,161	70,061	71,417	+0.1
ense capital goods [4]	18,553	18,780	18,582	-1.2	+1.1	-6.2	18,383	18,681	18,204	17,860	+2.9
ables excluding capital goods	164,220	164,980	165,301	-0.5	-0.2	0.0	164,676	166,125	164,994	163,768	+0.6
llaneous series :											
ducers' durable equipment	190,798	190,422	189,831	+0.2	+0.3	-0.3	189,978	191,541	188,340	187,729	+1.2
usehold durable goods	16,277	16,279	16,445	0.0	-1.0	+0.3	16,155	16,352	16,363	15,508	+4.2
rmation technology industries	32,998	32,250	31,627	+2.3	+2.0	-1.0	32,266	32,276	30,833	33,181	-2.8
lth care equipment d products	19,858	20,057	19,845	-1.0	+1.1	+1.2	19,639	19,961	19,357	18,796	+4.5

footnotes at end of table 5.

note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc char
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Mar. 1998	Ma 99/9
MATERIALS AND SUPPLIES											
All manufacturing industries	153,517	153,939	154,015	-0.3	0.0	0.0	152,705	154,371	154,756	153,671	-(
Durable goods industries	92,387	92,436	91,974	-0.1	+0.5	+0.3	91,284	92,448	92,392	90,836	+(
Stone, clay, and glass products	3,192	3,136	3,134	+1.8	+0.1	-0.5	3,160	3,134	3,146	2,939	+7
Primary metals	7,579	7,590	7,701	-0.1	-1.4	-1.8	7,302	7,497	7,794	7,483	-2
Fabricated metal products	10,388	10,429	10,403	-0.4	+0.2	0.0	10,359	10,406	10,498	10,496	-
Industrial machinery and equipment	20,249	19,989	19,997	+1.3	0.0	+1.1	19,985	20,089	19,876	19,501	+2
Electronic and other electrical equipment	15,672	15,636	15,511	+0.2	+0.8	-0.2	15,462	15,534	15,454	15,616	-
Transportation equipment	15,068	15,552	15,257	-3.1	+1.9	+0.8	15,088	15,648	15,340	15,357	-
Instruments and related products	9,221	9,130	8,872	+1.0	+2.9	-1.6	9,186	9,029	8,824	9,042	+
Lumber, furniture and miscellaneous durable goods	11,018	10,974	11,099	+0.4	-1.1	+1.9	10,742	11,111	11,460	10,402	+1
Nondurable goods industries	61,130	61,503	62,041	-0.6	-0.9	-0.4	61,421	61,923	62,364	62,835	-2
Food and kindred products	11,420	11,315	11,409	+0.9	-0.8	+1.2	11,521	11,441	11,604	11,309	+
Tobacco products	4,706	4,809	4,926	-2.1	-2.4	-2.7	4,827	5,113	5,307	5,214	-7
Textile mill products	2,851	2,869	2,881	-0.6	-0.4	-0.8	2,883	2,906	2,880	3,021	-
Paper and allied products	7,768	7,772	7,841	-0.1	-0.9	-1.1	7,815	7,801	7,853	8,058	-
Chemicals and allied products	15,485	15,661	15,811	-1.1	-0.9	+0.4	15,455	15,712	15,743	15,307	+
Petroleum and coal products	3,155	3,115	3,072	+1.3	+1.4	-1.0	3,216	3,057	2,976	3,688	-1
Rubber and plastics products	6,808	6,830	6,843	-0.3	-0.2	-0.6	6,823	6,888	6,894	6,706	+
Apparel, printing and publishing and leather goods	8,937	9,132	9,258	-2.1	-1.4	-1.6	8,881	9,005	9,107	9,532	-
WORK IN PROCESS											
All manufacturing industries	148,064	148,707	148,805	-0.4	-0.1	-1.2	146,990	148,767	147,207	146,997	
Durable goods industries	118,406	119,250	119,364	-0.7	-0.1	-1.6	117,765	119,390	117,801	118,054	-
Stone, clay, and glass products	1,329	1,344	1,404	-1.1	-4.3	+1.2	1,413	1,424	1,392	1,415	-
Primary metals	8,218	8,426	8,533	-2.5	-1.3	-0.4	8,268	8,447	8,509	8,712	-
Fabricated metal products	9,011	9,061	9,067	-0.6	-0.1	-0.4	8,952	8,922	8,899	8,911	+
Industrial machinery and equipment	22,223	22,654	22,551	-1.9	+0.5	+0.2	21,904	22,861	22,125	22,396	-
Electronic and other electrical equipment	13,835	13,733	13,700	+0.7	+0.2	+0.5	13,766	13,782	13,500	14,573	-
Transportation equipment	48,702	48,779	48,845	-0.2	-0.1	-3.8	48,420	48,702	48,409	46,736	+
Instruments and related products	9,878	9,998	9,965	-1.2	+0.3	-0.4	9,821	9,996	9,719	9,950	-
Lumber, furniture and miscellaneous durable goods	5,210	5,255	5,299	-0.9	-0.8	+0.2	5,221	5,256	5,248	5,361	-
Nondurable goods industries	29,658	29,457	29,441	+0.7	+0.1	+0.3	29,225	29,377	29,406	28,943	+
Food and kindred products	6,125	6,151	6,029	-0.4	+2.0	+3.3	6,037	6,270	6,352	5,619	+
Tobacco products	95	93	95	+2.2	-2.1	+1.1	92	91	98	107	-1
Textile mill products	2,523	2,518	2,553	+0.2	-1.4	-1.4	2,511	2,516	2,561	2,681	-
Paper and allied products	1,646	1,650	1,647	-0.2	+0.2	-0.5	1,660	1,687	1,690	1,673	-
Chemicals and allied products	8,771	8,762	8,604	+0.1	+1.8	+0.1	8,633	8,724	8,461	8,230	+
Petroleum and coal products	2,435	2,241	2,292	+8.7	-2.2	-2.4	2,421	2,190	2,256	2,693	-1
Rubber and plastics products	2,267	2,225	2,245	+1.9	-0.9	+0.6	2,285	2,263	2,279	2,282	+
Apparel, printing and publishing and leather goods	5,796	5,817	5,976	-0.4	-2.7	-0.4	5,586	5,636	5,709	5,658	-
FINISHED GOODS											
All manufacturing industries	161,771	161,552	162,047	+0.1	-0.3	-0.1	162,553	163,542	160,625	160,666	+
Durable goods industries	82,570	82,344	82,225	+0.3	+0.1	-0.2	83,448	83,928	81,415	81,315	+
Stone, clay, and glass products	4,759	4,783	4,843	-0.5	-1.2	+1.0	4,919	4,941	4,864	4,984	-
Primary metals	7,925	8,160	8,204	-2.9	-0.5	-0.8	8,010	8,314	8,222	7,997	+
Fabricated metal products	11,377	11,359	11,450	+0.2	-0.8	+0.9	11,690	11,581	11,344	11,276	+
Industrial machinery and equipment	18,405	18,030	18,110	+2.1	-0.4	-0.8	18,567	18,677	18,255	18,581	-
Electronic and other electrical equipment	10,932	10,764	10,370	+1.6	+3.8	-2.3	10,858	10,807	10,082	10,762	+
Transportation equipment	9,576	9,641	9,750	-0.7	-1.1	-0.6	9,730	9,853	9,503	8,973	+
Instruments and related products	7,536	7,629	7,606	-1.2	+0.3	+1.4	7,397	7,579	7,288	7,124	+
Lumber, furniture and miscellaneous durable goods	12,060	11,978	11,892	+0.7	+0.7	+1.1	12,277	12,176	11,857	11,618	+
Nondurable goods industries	79,201	79,208	79,822	0.0	-0.8	0.0	79,105	79,614	79,210	79,351	-
Food and kindred products	20,153	20,307	20,220	-0.8	+0.4	+0.2	19,734	20,263	20,060	20,155	-
Tobacco products	561	611	661	-8.2	-7.6	-6.8	497	743	788	659	-2
Textile mill products	4,699	4,638	4,644	+1.3	-0.1	-0.9	4,683	4,707	4,625	4,547	+
Paper and allied products	6,667	6,656	6,692	+0.2	-0.5	-1.3	6,746	6,709	6,686	6,785	-
Chemicals and allied products	21,734	21,872	22,010	-0.6	-0.6	+0.6	22,185	22,405	22,010	22,197	-
Petroleum and coal products	4,859	4,684	4,875	+3.7	-3.9	+1.5	4,675	4,477	4,768	4,858	-
Rubber and plastics products	7,581	7,655	7,692	-1.0	-0.5	+0.5	7,860	7,944	7,783	7,859	
Apparel, printing and publishing and leather goods	12,947	12,785	13,028	+1.3	-1.9	-0.6	12,725	12,366	12,490	12,291	+

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Dec. 1998	Mar. 1999[p]	Feb. 1999[r]	Jan. 1999	Dec. 1998
ll manufacturing industries	1.33	1.35	1.36	1.36	2.65	2.67	2.67	2.61
able goods industries	1.48	1.51	1.51	1.51	3.11	3.15	3.14	3.07
one, clay, and glass products	1.09	1.10	1.14	1.12	0.77	0.77	0.79	0.78
mary metals	1.64	1.70	1.71	1.74	2.02	2.06	2.02	2.08
bricated metal products	1.51	1.51	1.51	1.50	1.37	1.36	1.35	1.34
lustrial machinery and equipment	1.65	1.65	1.66	1.64	2.21	2.17	2.17	2.12
ectronic and other lectrical equipment	1.23	1.25	1.21	1.21	1.96	1.95	1.91	1.83
nsportation equipment	1.48	1.56	1.56	1.58	9.04	9.51	9.55	9.12
truments and related products	1.86	1.90	1.89	1.85	3.30	3.38	3.38	3.28
durable goods industries	1.13	1.14	1.16	1.15	0.63	0.64	0.64	0.64
od and kindred products	0.90	0.91	0.91	0.90	(X)	(X)	(X)	(X)
bacco products	1.28	1.35	1.41	1.54	(X)	(X)	(X)	(X)
xtile mill products	1.58	1.56	1.53	1.57	(NA)	(NA)	(NA)	(NA)
per and allied products	1.20	1.18	1.20	1.20	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.37	1.39	1.44	1.38	(X)	(X)	(X)	(X)
troleum and coal products	0.85	0.89	0.93	0.93	(X)	(X)	(X)	(X)
bber and plastics products	1.21	1.22	1.27	1.25	(X)	(X)	(X)	(X)

Preliminary. ' Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1999	Mar.[2] 1994-1998	Mar. 1998-Feb. 1999	Mar.[1] 1999	Mar.[2] 1994-1998	Mar. 1998-Feb. 1999	Mar.[1] 1999	Mar.[2] 1994-1998	Mar. 1998-Feb. 1999	Mar.[1] 1999	Mar.[2] 1994-1998	Mar. 1998-Feb. 1999
manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.3	(X)	0.1	0.1	(X)	0.0	0.0
le goods industries	0.5	0.2	0.2	0.9	0.3	0.4	0.1	0.1	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.6	0.4	(X)	1.1	0.6	(X)	0.5	0.4	(X)	0.1	0.2
ary metals	0.1	0.6	0.3	0.1	0.8	0.8	-0.1	0.3	0.2	(X)	0.1	0.1
icated metal products	(X)	0.3	0.3	(X)	0.5	0.4	(X)	0.3	0.2	(X)	0.2	0.1
strial machinery and equipment	0.4	0.2	0.3	0.3	0.5	0.3	0.0	0.2	0.1	(X)	0.1	0.1
tronic and other ctrical equipment	0.6	0.2	0.6	0.9	0.8	1.5	0.2	0.4	0.7	(X)	0.2	0.2
sportation equipment	1.2	0.4	0.6	2.6	1.1	0.9	0.2	0.1	0.1	(X)	0.0	0.2
uments and related products	(X)	0.4	0.5	(X)	0.4	1.5	(X)	0.1	0.3	(X)	0.1	0.1
rable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1
d and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
acco products	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
ile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
r and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
nicals and allied products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
oleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7
ber and plastics products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
l goods industries :												
defense	0.6	0.1	0.3	1.1	0.7	0.5	0.0	0.1	0.1	(X)	0.1	0.1
nse	0.3	0.5	0.4	1.8	2.4	3.4	0.2	0.1	0.2	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The hly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ble goods industries are shown in the advance report for the month.

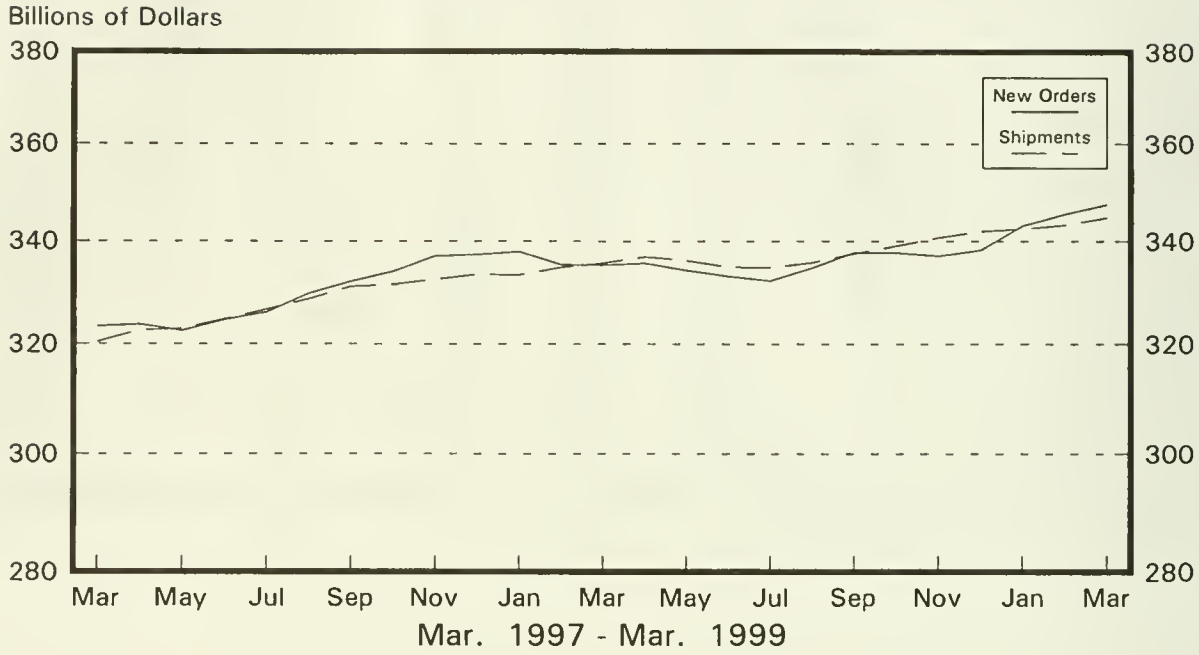
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision.

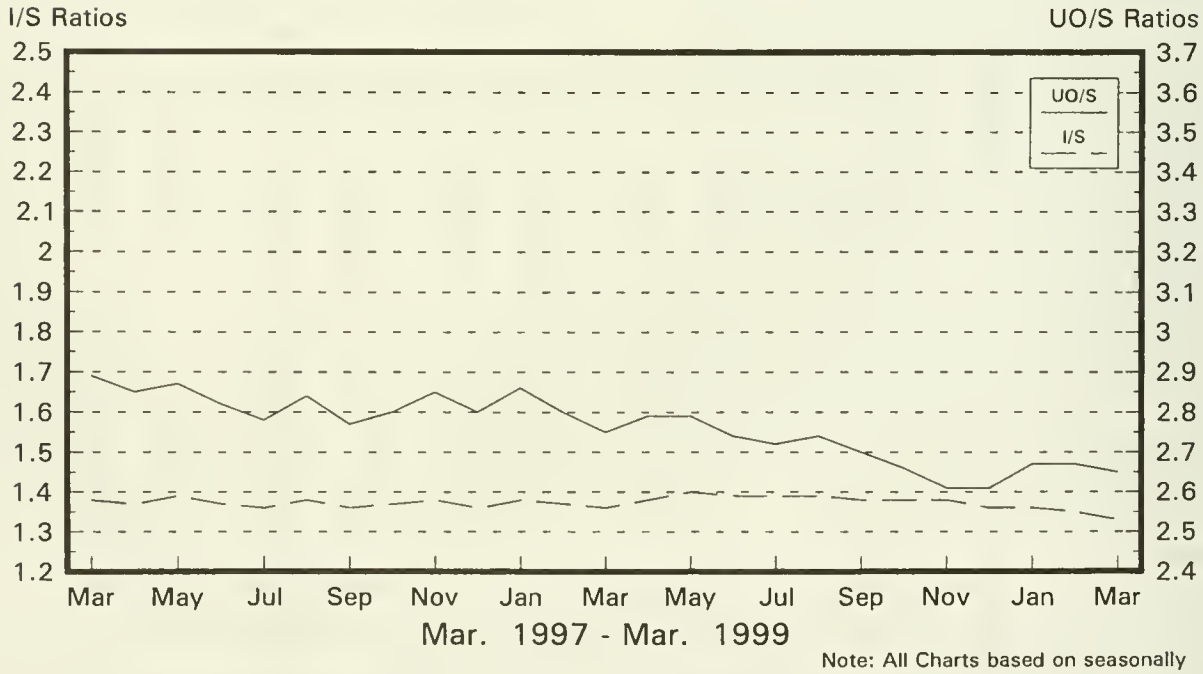
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

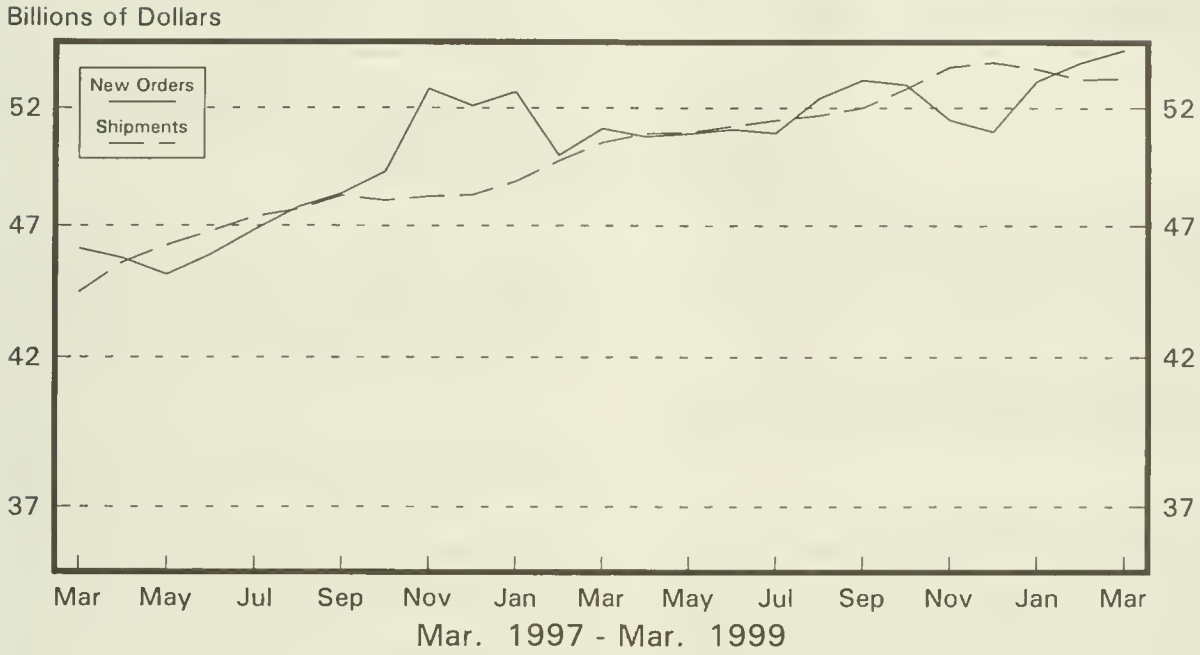
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

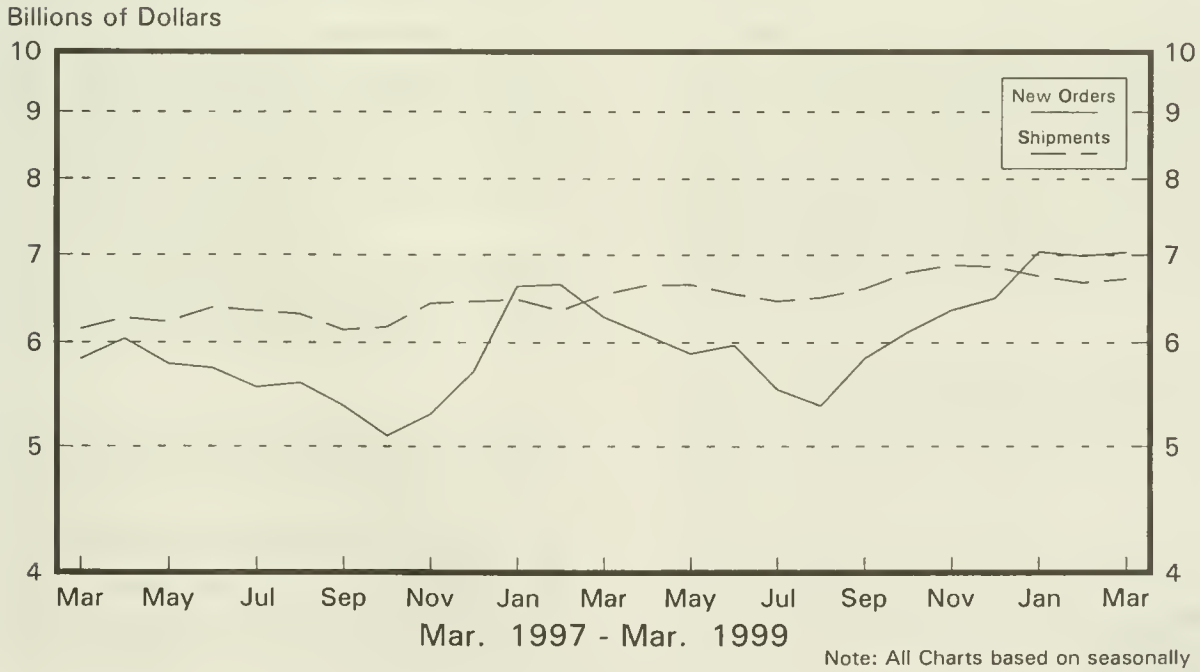
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in April decreased $4.3 billion or 1.2 percent to $345.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.9 percent March increase and is the second decrease in the last three months. Excluding transportation, new orders increased 0.5 percent, the fifth increase in the last six months. Year-to-date, new orders are 3.3 percent above the same period a year ago.

Shipments decreased $1.5 billion or 0.4 percent to $347.6 billion, following a 1.6 percent March increase. This is the second decrease this year. Year-to-date, shipments are 3.0 percent above the same period a year ago.

Unfilled orders decreased $2.1 billion or 0.4 percent to $524.5 billion, following a 0.1 percent March increase. This is the ninth decrease in the last twelve months. The unfilled orders-to-shipments ratio was 2.63, down from 2.64 in March.

Inventories decreased $0.6 billion or 0.1 percent to $463.0 billion. This is the sixth consecutive decrease. The inventories-to-shipments ratio was 1.33, unchanged from March.

New Orders

New orders for manufactured durable goods in April decreased $4.2 billion or 2.1 percent to $195.2 billion, revised from the previously published 2.3 percent decrease. This follows a 2.9 percent March increase and is the second decrease in the last three months.

Transportation equipment had the largest decrease, $5.9 billion or 12.3 percent to $41.7 billion; all component industries decreased, led by aircraft and parts. This follows a 4.7 percent March increase. Stone, clay, and glass products decreased $0.3 billion or 3.0 percent to $8.3 billion, following a 2.1 percent March increase. Industrial machinery and equipment increased $1.4 billion or 3.6 percent to $39.7 billion, following a 3.5 percent March increase. Instruments and related products, up for the sixth consecutive month, increased $0.4 billion or 3.1 percent to $14.8 billion.

New orders for nondurable goods decreased $0.1 billion or 0.1 percent to $150.3 billion; decreases in food and kindred products and paper and allied products more than offset an increase in textile mill products. This follows a 0.7 percent March increase.

Shipments

Shipments of durable goods in April decreased $1.0 billion or 0.5 percent to $197.3 billion, revised from the previously published 0.6 percent decrease. This follows a 2.0 percent March increase.

Transportation equipment had the largest decrease, $1.5 billion or 3.0 percent to $47.8 billion; led by motor vehicles and parts, all component industries decreased except aircraft and parts. This follows a 3.7 percent March increase and is the largest decrease since the 6.2 percent decline in June 1998. Primary metals, down eleven of the last fourteen months, decreased $0.4 billion or 2.5 percent to $14.1 billion. This follows a 2.0 percent March increase. Industrial machinery and equipment, up for the third consecutive month, increased $0.5 billion or 1.5 percent to $37.5 billion, following a 0.6 percent March increase. Electronic and other electrical equipment, up eight of the last eleven months, increased $0.5 billion or 1.6 percent to $33.6 billion. This follows a 2.5 percent March increase.

Shipments of nondurable goods decreased $0.5 billion or 0.3 percent to $150.3 billion. This follows a 1.0 percent March increase. Food and kindred products decreased $0.8 billion or 2.0 percent to $40.8 billion, following a 0.4 percent March increase.

Unfilled Orders

Unfilled orders for durable goods in April decreased $2.1 billion or 0.4 percent to $501.1 billion, revised from the previously published 0.5 percent decrease. This follows a 0.2 percent March increase and is the second decrease in the last three months. Transportation equipment, down ten of the last twelve months, had the largest decrease, $6.1 billion or 2.5 percent to $238.5 billion. This follows a 0.7 percent March decrease. Fabricated metal products, also down ten of the last twelve months, decreased $0.3 billion or 1.0 percent to $25.8 billion. Industrial machinery and equipment, up five consecutive months, increased $2.2 billion or 2.9 percent to $79.0 billion. This follows a 1.8 percent March increase. Electronic and other electrical equipment, up five consecutive months, increased $0.9 billion or 1.3 percent to $65.1 billion. This follows a 2.0 percent March increase.

Inventories

Inventories of durable goods in April decreased $1.1 billion or 0.4 percent to $292.3 billion, following a 0.2 percent March decrease. This is the fifth decrease in the last six months. Transportation equipment, down five of the last six months, decreased $0.9 billion or 1.2 percent to $72.5 billion, following a 0.8 percent March decrease. Industrial machinery and equipment, down for the first time this year, decreased $0.3 billion or 0.4 percent to $60.6 billion, following a 0.2 percent March increase. Primary metals, down for the seventh consecutive month, decreased $0.1 billion or 0.5 percent to $23.6 billion, following a 1.8 percent March decrease. Electronic and other electrical equipment, up for the third consecutive month, increased $0.1 billion or 0.3 percent to $40.5 billion, following a 0.6 percent March increase.

Inventories of nondurable goods increased $0.5 billion or 0.3 percent to $170.7 billion, following a slight increase in March. Chemicals and allied products had the largest increase, $0.4 billion or 0.9 percent to $46.3 billion. This follows a 0.8 percent March decrease. Food and kindred products, up four of the last five months, increased $0.2 billion or 0.6 percent to $37.9 billion, following a 0.2 percent March decrease.

By stage of fabrication, April finished goods increased 0.3 percent in durables and decreased 0.3 percent in nondurables. Work in process decreased 0.7 percent in durables and increased 3.7 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and 0.5 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for May is scheduled for June 24, 1999 at 8:30 a.m. and the full report on July 2, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98	1999[p]	1998
All manufacturing industries	347,558	349,065	343,724	-0.4	+1.6	+0.6	344,047	369,208	341,000	332,551	+3.5	1,361,837	1,322,262
Manufacturing Industries													
with unfilled orders	199,375	199,369	196,786	0.0	+1.3	-0.1	193,693	213,417	194,347	187,277	+3.4	775,018	753,30
without defense capital goods	341,033	342,392	336,995	-0.4	+1.6	+0.6	337,888	362,035	334,246	326,101	+3.6	1,336,257	1,296,831
Durable goods industries	197,251	198,292	194,465	-0.5	+2.0	+0.2	194,836	215,480	194,919	184,959	+5.3	775,683	739,27
With unfilled orders	162,470	162,478	159,569	0.0	+1.8	-0.2	157,679	176,528	157,833	150,369	+4.9	631,300	606,73
Stone, clay, and glass products	8,402	8,494	8,456	-1.1	+0.4	+2.9	8,566	8,418	7,961	8,113	+5.6	32,064	29,73
Primary metals	14,147	14,505	14,224	-2.5	+2.0	-0.6	14,680	15,242	14,635	16,098	-8.8	58,143	63,79
Blast furnaces, steel mills	5,482	5,637	5,553	-2.7	+1.5	+2.9	5,692	5,905	5,776	6,583	-13.5	22,609	26,39
Iron and steel foundries	1,497	1,548	1,527	-3.3	+1.4	+0.1	1,579	1,655	1,587	1,602	-1.4	6,218	6,24
Nonferrous and other primary metals	7,168	7,320	7,144	-2.1	+2.5	-3.3	7,409	7,682	7,272	7,913	-6.4	29,316	31,14
Fabricated metal products	20,495	20,416	20,391	+0.4	+0.1	-0.6	20,623	21,274	20,585	19,748	+4.4	81,039	77,61
Industrial machinery and equipment	37,513	36,972	36,756	+1.5	+0.6	+0.7	35,854	43,579	35,722	35,439	+1.2	145,500	144,93
Engines and turbines	2,337	2,284	2,312	+2.3	-1.2	+0.4	2,233	2,605	2,291	2,024	+10.3	9,023	8,52
Farm and garden machinery	1,932	2,003	1,941	-3.5	+3.2	+0.5	2,685	2,757	2,275	2,969	-9.6	9,450	9,96
Construction, mining and material handling equipment	3,976	4,139	3,990	-3.9	+3.7	+1.2	4,038	4,617	4,095	4,275	-5.5	16,231	16,88
Metalworking machinery	3,416	3,464	3,545	-1.4	-2.3	+0.9	3,156	3,696	3,383	3,271	-3.5	12,929	12,93
Computer and office equipment	11,812	11,084	11,195	+6.6	-1.0	+2.0	9,307	14,472	9,798	8,420	+10.5	41,610	39,01
Electronic and other electrical equipment	33,569	33,032	32,235	+1.6	+2.5	-1.8	31,005	35,501	31,196	27,883	+11.2	125,513	116,12
Electrical transmission and distribution equipment and industrial apparatus	3,740	3,778	3,625	-1.0	+4.2	-0.1	3,703	4,156	3,676	3,479	+6.4	14,711	14,47
Household appliances	2,407	2,338	2,405	+3.0	-2.8	+6.6	2,399	2,573	2,346	2,006	+19.6	9,143	7,89
Electric lighting and wiring equipment	2,265	2,314	2,234	-2.1	+3.6	-0.4	2,168	2,522	2,286	2,155	+0.6	8,942	8,81
Household audio and video equipment	1,084	1,031	1,046	+5.1	-1.4	-9.4	920	991	952	891	+3.3	3,793	3,67
Communications equipment	8,196	8,049	7,634	+1.8	+5.4	-5.4	7,033	9,208	6,876	5,757	+22.2	29,251	25,12
Electronic components	13,569	13,172	13,057	+3.0	+0.9	-1.9	12,665	13,759	12,885	11,664	+8.6	51,302	48,21
Transportation equipment	47,804	49,267	47,502	-3.0	+3.7	+0.6	49,700	53,786	50,526	45,528	+9.2	196,658	177,78
Motor vehicles and parts	32,257	33,281	32,118	-3.1	+3.6	+0.5	34,449	36,601	35,628	31,657	+8.8	136,782	123,73
Aircraft, missiles, space vehicles, and parts	12,249	12,098	12,207	+1.2	-0.9	-0.4	11,937	13,063	11,734	10,768	+10.9	46,804	42,29
Shipbuilding and tanks	950	1,083	895	-12.3	+21.0	-14.3	939	1,120	879	1,092	-14.0	3,724	3,55
Instruments and related products	14,265	14,553	14,046	-2.0	+3.6	+0.2	13,535	15,738	13,874	13,226	+2.3	55,431	54,49
Search and navigation equipment	3,124	3,177	3,094	-1.7	+2.7	-2.4	2,990	3,420	3,137	2,966	+0.8	12,275	11,79
Measuring and controlling devices	4,054	4,095	4,141	-1.0	-1.1	+1.6	3,825	4,451	4,149	3,844	-0.5	16,058	16,21
Medical instruments and supplies	4,774	4,962	4,650	-3.8	+6.7	+2.7	4,459	5,461	4,594	4,135	+7.8	18,555	17,44
Photographic goods	1,820	1,832	1,653	-0.7	+10.8	-7.4	1,754	1,903	1,511	1,844	-4.9	6,647	7,26
All other durable goods	21,056	21,053	20,855	0.0	+0.9	+2.0	20,873	21,942	20,420	18,924	+10.3	81,335	74,78
Nondurable goods industries	150,307	150,773	149,259	-0.3	+1.0	+1.1	149,211	153,728	146,081	147,592	+1.1	586,154	582,98
With unfilled orders	36,905	36,891	37,217	0.0	-0.9	+0.2	36,014	36,889	36,514	36,908	-2.4	143,718	146,56
Food and kindred products	40,816	41,659	41,479	-2.0	+0.4	+0.4	39,806	42,543	40,346	39,670	+0.3	161,505	158,56
Meat products	8,592	8,588	8,590	0.0	0.0	-0.1	8,433	8,590	8,337	8,562	-1.5	33,429	33,75
Dairy products	6,144	6,667	6,591	-7.8	+1.2	-0.7	5,866	6,911	6,408	5,769	+1.7	25,693	23,40
Beverages	6,337	6,263	6,272	+1.2	-0.1	+0.4	6,370	6,183	5,658	6,071	+4.9	23,607	22,77
All other foods, except fats and oils	17,922	18,189	18,068	-1.5	+0.7	+0.9	17,316	18,907	17,985	17,203	+0.7	71,118	70,16
Tobacco products	4,091	4,149	4,088	-1.4	+1.5	+1.8	3,841	4,491	4,069	3,215	+19.5	16,221	13,11
Textile mill products	6,573	6,363	6,426	+3.3	-1.0	-2.4	6,328	6,734	6,268	6,486	-2.4	25,099	26,94
Broadwoven fabrics and other textiles	3,811	3,617	3,694	+5.4	-2.1	-4.1	3,701	3,966	3,680	3,946	-6.2	14,828	16,84
Paper and allied products	13,394	13,404	13,662	-0.1	-1.9	+1.6	13,155	13,495	13,749	13,717	-4.1	53,330	55,29
Pulp, paper, and paperboard mill products	5,082	5,102	5,236	-0.4	-2.6	+1.1	4,989	5,159	5,265	5,341	-6.6	20,396	21,81
Paperboard containers and boxes	3,281	3,267	3,368	+0.4	-3.0	-1.0	3,295	3,299	3,386	3,626	-9.1	13,255	14,32
Miscellaneous converted paper products	5,031	5,035	5,058	-0.1	-0.5	+4.0	4,871	5,037	5,098	4,750	+2.5	19,679	19,15
Chemicals and allied products	33,563	33,577	33,196	0.0	+1.1	+2.8	34,574	35,471	32,585	33,541	+3.1	133,431	131,30
Industrial chemicals	14,534	14,587	14,670	-0.4	-0.6	-0.1	14,869	15,120	14,938	15,332	-3.0	59,031	62,03
Drugs, soaps, and toiletries	15,130	14,945	14,690	+1.2	+1.7	+5.6	14,378	15,721	13,883	12,686	+13.3	57,440	51,99
Petroleum and coal products	12,857	12,380	11,262	+3.9	+9.9	+2.0	13,033	11,434	10,137	12,725	+2.4	44,423	48,28
Rubber and plastics products	13,460	13,708	13,718	-1.8	-0.1	+3.9	13,920	14,404	13,907	13,636	+2.1	54,438	52,89
All other nondurable goods	25,553	25,533	25,428	+0.1	+0.4	-0.9	24,554	25,156	25,020	24,602	-0.2	97,707	96,59

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98	1999[p]	1998
ll manufacturing industries	345,418	349,722	343,046	-1.2	+1.9	-1.8	346,194	367,859	339,552	336,909	+2.8	1,379,198	1,332,600
ufacturing industries													
h unfilled orders	197,235	200,026	196,108	-1.4	+2.0	-4.2	195,840	212,068	192,899	191,635	+2.2	792,379	763,638
hout defense capital goods	340,312	341,953	337,547	-0.5	+1.3	-1.1	341,116	358,500	334,897	330,096	+3.3	1,351,562	1,306,250
ble goods industries	195,164	199,366	193,786	-2.1	+2.9	-3.9	196,702	214,181	193,524	189,159	+4.0	792,415	749,146
th unfilled orders	160,383	163,552	158,890	-1.9	+2.9	-5.2	159,545	175,229	156,438	154,569	+3.2	648,032	616,604
e, clay, and glass products	8,325	8,584	8,404	-3.0	+2.1	+1.9	8,477	8,582	7,946	8,109	+4.5	32,287	30,014
ary metals	14,767	14,539	14,601	+1.6	-0.4	+6.9	15,132	15,406	16,011	15,576	-2.9	60,503	64,605
ast furnaces, steel mills	5,815	5,817	5,882	0.0	-1.1	+18.7	5,986	6,103	6,603	6,091	-1.7	24,069	26,922
n and steel foundries	1,549	1,367	1,373	+13.3	-0.4	-8.7	1,567	1,537	1,564	1,484	+5.6	6,163	6,748
nferrous and other primary													
netals	7,403	7,355	7,346	+0.7	+0.1	+2.0	7,579	7,766	7,844	8,001	-5.3	30,271	30,935
icated metal products	20,228	20,391	20,421	-0.8	-0.1	-1.5	20,373	21,295	20,746	20,228	+0.7	81,534	78,538
strial machinery and equipment	39,726	38,338	37,037	+3.6	+3.5	-0.3	37,966	44,134	36,232	35,252	+7.7	150,189	145,875
gines and turbines	4,372	3,605	2,930	+21.3	+23.0	+8.0	3,932	3,488	2,603	1,991	+97.5	12,179	7,546
nstruction, mining and													
aterial handling equipment	3,897	3,928	3,880	-0.8	+1.2	-1.0	3,890	4,535	4,240	4,232	-8.1	16,436	18,207
etalworking machinery	3,599	3,392	3,673	+6.1	-7.7	+1.2	3,339	3,624	3,511	3,227	+3.5	13,285	13,201
mputer and office equipment	11,627	11,363	10,921	+2.3	+4.0	-0.7	9,287	14,648	9,637	8,538	+8.8	41,593	39,161
ronic and other													
trical equipment	34,424	34,264	32,651	+0.5	+4.9	-6.4	35,346	34,282	30,336	31,784	+11.2	134,716	122,700
ctrical transmission and													
stribution equipment and													
dustrial apparatus	3,757	3,837	3,646	-2.1	+5.2	+3.4	3,722	4,220	3,823	3,361	+10.7	15,012	14,501
ctric lighting and													
iring equipment	2,448	2,335	2,266	+4.8	+3.0	-3.3	2,351	2,543	2,318	2,235	+5.2	9,280	9,108
mmunications equipment	8,159	8,409	8,130	-3.0	+3.4	-1.1	6,979	9,556	7,393	5,749	+21.4	30,182	27,224
ctronic components	14,298	13,956	13,070	+2.5	+6.8	-14.1	16,987	12,273	11,466	15,600	+8.9	58,734	51,975
portation equipment	41,701	47,558	45,421	-12.3	+4.7	-13.3	43,646	53,049	47,632	46,284	-5.7	194,355	178,949
rcraft, missiles,													
pace vehicles, and parts.	7,194	10,369	10,978	-30.6	-5.5	-29.3	7,161	12,352	9,641	12,872	-44.4	44,195	44,687
ipbuilding and tanks	717	1,993	433	-64.0	360.3	-78.5	714	2,026	389	562	+27.0	4,938	2,942
ments and related products	14,847	14,402	14,177	+3.1	+1.6	+0.2	14,441	15,222	14,012	13,072	+10.5	56,481	53,962
rch and navigation equipment	3,460	3,186	3,177	+8.6	+0.3	+4.0	3,402	3,513	3,194	2,620	+29.8	12,837	11,140
asuring and controlling devices	4,145	4,142	4,237	+0.1	-2.2	+0.9	3,916	4,498	4,245	3,702	+5.8	16,415	15,943
dical instruments and supplies	4,992	4,802	4,606	+4.0	+4.3	-1.3	4,980	4,815	4,492	4,559	+9.2	18,760	18,127
ther durable goods	21,146	21,290	21,074	-0.7	+1.0	+3.0	21,321	22,211	20,609	18,854	+13.1	82,350	74,503
urable goods industries	150,254	150,356	149,260	-0.1	+0.7	+1.1	149,492	153,678	146,028	147,750	+1.2	586,783	583,454
th unfilled orders	36,852	36,474	37,218	+1.0	-2.0	+0.1	36,295	36,839	36,461	37,066	-2.1	144,347	147,034

[p]reliminary. [r] Revised.

hipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ise from the prior month to the current month.

ote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, n includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further s on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), ufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98
All manufacturing industries	524,516	526,656	525,999	-0.4	+0.1	-0.1	530,347	528,200	529,549	541,896	-2.1
Manufacturing industries without defense capital goods	428,844	429,565	430,004	-0.2	-0.1	+0.1	432,578	429,350	432,885	438,761	-1.4
Durable goods industries	501,095	503,182	502,108	-0.4	+0.2	-0.1	506,772	504,906	506,205	516,207	-1.8
Stone, clay, and glass products	6,210	6,287	6,197	-1.2	+1.5	-0.8	6,294	6,383	6,219	6,451	-2.4
Primary metals	29,933	29,313	29,279	+2.1	+0.1	+1.3	31,207	30,755	30,591	35,152	-11.2
Blast furnaces, steel mills	11,833	11,500	11,320	+2.9	+1.6	+3.0	12,495	12,201	12,003	14,884	-16.1
Iron and steel foundries	5,154	5,102	5,283	+1.0	-3.4	-2.8	5,297	5,309	5,427	5,975	-11.3
Nonferrous and other primary metals	12,946	12,711	12,676	+1.8	+0.3	+1.6	13,415	13,245	13,161	14,293	-6.1
Fabricated metal products	25,847	26,114	26,139	-1.0	-0.1	+0.1	25,929	26,179	26,158	27,273	-4.9
Industrial machinery and equipment	78,969	76,756	75,390	+2.9	+1.8	+0.4	79,130	77,018	76,463	74,365	+6.4
Engines and turbines	22,467	20,432	19,111	+10.0	+6.9	+3.3	21,881	20,182	19,299	11,551	+89.4
Construction, mining and material handling equipment	9,415	9,494	9,705	-0.8	-2.2	-1.1	9,838	9,986	10,068	11,691	-15.8
Metalworking machinery	6,802	6,619	6,691	+2.8	-1.1	+2.0	6,802	6,619	6,691	7,420	-8.3
Computer and office equipment	8,004	8,189	7,910	-2.3	+3.5	-3.3	7,924	7,944	7,768	7,774	+1.9
Electronic and other electrical equipment	65,098	64,243	63,011	+1.3	+2.0	+0.7	67,009	62,668	63,887	59,883	+11.9
Electrical transmission and distribution equipment and industrial apparatus	6,356	6,339	6,280	+0.3	+0.9	+0.3	6,482	6,463	6,399	6,540	-0.9
Electric lighting and wiring equipment	5,360	5,177	5,156	+3.5	+0.4	+0.6	5,360	5,177	5,156	5,222	+2.6
Communications equipment	18,005	18,042	17,682	-0.2	+2.0	+2.9	17,988	18,042	17,694	16,433	+9.5
Electronic components	29,285	28,556	27,772	+2.6	+2.8	0.0	31,087	26,765	28,251	25,301	+22.9
Transportation equipment	238,472	244,575	246,284	-2.5	-0.7	-0.8	240,281	246,335	247,072	255,679	-6.0
Aircraft, missiles, space vehicles, and parts	199,701	204,756	206,485	-2.5	-0.8	-0.6	201,399	206,175	206,886	220,510	-8.7
Shipbuilding and tanks	20,558	20,791	19,881	-1.1	+4.6	-2.3	20,536	20,761	19,855	17,818	+15.3
Instruments and related products	47,853	47,271	47,422	+1.2	-0.3	+0.3	48,235	47,329	47,845	49,595	-2.7
Search and navigation equipment	26,574	26,238	26,229	+1.3	0.0	+0.3	26,990	26,578	26,485	28,584	-5.6
Measuring and controlling devices	10,542	10,451	10,404	+0.9	+0.5	+0.9	10,542	10,451	10,404	10,582	-0.4
Medical instruments and supplies	9,828	9,610	9,770	+2.3	-1.6	-0.4	9,791	9,270	9,916	9,103	+7.6
All other durable goods	8,713	8,623	8,386	+1.0	+2.8	+2.7	8,687	8,239	7,970	7,809	+11.2
Nondurable goods industries	23,421	23,474	23,891	-0.2	-1.7	0.0	23,575	23,294	23,344	25,689	-8.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98
l manufacturing industries	462,963	463,578	464,198	-0.1	-0.1	-0.1	465,318	462,645	466,680	467,122	-0.4
ufacturing industries											
unfilled orders	309,072	309,939	310,711	-0.3	-0.2	0.0	311,039	308,289	311,232	313,015	-0.6
out defense capital goods	444,652	445,045	445,418	-0.1	-0.1	-0.2	447,019	444,263	447,999	448,981	-0.4
ble goods industries	292,260	293,391	294,030	-0.4	-0.2	+0.2	293,901	292,680	295,766	295,053	-0.4
h unfilled orders	268,132	268,815	269,926	-0.3	-0.4	+0.2	269,688	267,338	270,750	271,433	-0.6
, clay, and glass products	9,226	9,258	9,263	-0.3	-0.1	-1.3	9,433	9,482	9,499	9,292	+1.5
ary metals	23,625	23,734	24,176	-0.5	-1.8	-1.1	23,533	23,596	24,258	24,332	-3.3
ast furnaces, steel mills	11,549	11,603	11,776	-0.5	-1.5	-1.2	11,311	11,379	11,779	11,667	-3.1
n and steel foundries	1,615	1,625	1,624	-0.6	+0.1	+0.6	1,675	1,676	1,652	1,611	+4.0
nferrous and other primary											
etals	10,461	10,506	10,776	-0.4	-2.5	-1.1	10,547	10,541	10,827	11,054	-4.6
cated metal products	30,776	30,819	30,849	-0.1	-0.1	-0.2	31,091	31,043	30,909	30,954	+0.4
trial machinery and equipment	60,556	60,817	60,673	-0.4	+0.2	0.0	61,126	60,438	61,627	61,752	-1.0
gines and turbines	4,347	4,235	4,111	+2.6	+3.0	+0.3	4,411	4,134	4,127	4,428	-0.4
m and garden machinery	3,658	3,731	3,747	-2.0	-0.4	-0.6	3,639	3,981	4,176	3,649	-0.3
nstruction, mining and											
aterial handling equipment	9,068	9,080	9,097	-0.1	-0.2	0.0	9,185	9,166	9,256	8,625	+6.5
talworking machinery	8,128	7,995	7,938	+1.7	+0.7	-0.5	8,177	7,824	7,867	7,484	+9.3
mputer and office equipment	8,920	9,178	9,164	-2.8	+0.2	+1.3	9,120	8,712	9,372	10,496	-13.1
onic and other											
trical equipment	40,496	40,356	40,133	+0.3	+0.6	+1.4	41,149	39,982	40,123	41,779	-1.5
ctrical transmission and											
tribution equipment and											
lustrial apparatus	5,317	5,283	5,365	+0.6	-1.5	-1.1	5,333	5,274	5,455	5,456	-2.3
usehold appliances	2,389	2,394	2,399	-0.2	-0.2	-0.2	2,560	2,478	2,486	2,559	0.0
ctric lighting and											
iring equipment	3,543	3,499	3,457	+1.3	+1.2	+0.3	3,585	3,440	3,441	3,445	+4.1
usehold audio and											
leo equipment	957	959	1,006	-0.2	-4.7	-1.6	909	896	988	837	+8.6
nmunications equipment	10,546	10,591	9,836	-0.4	+7.7	+3.7	10,758	10,426	9,715	10,726	+0.3
ctronic components	14,236	14,020	14,378	+1.5	-2.5	+2.4	14,460	13,868	14,401	15,175	-4.7
portation equipment	72,521	73,415	73,972	-1.2	-0.8	+0.2	72,313	73,451	74,203	72,593	-0.4
tor vehicles and parts	17,075	17,424	16,978	-2.0	+2.6	-0.7	17,083	17,735	17,026	16,510	+3.5
craft, missiles,											
ace vehicles, and parts	49,538	50,191	51,068	-1.3	-1.7	+0.2	49,268	49,861	51,217	50,587	-2.6
pbuilding and tanks	2,094	2,057	1,888	+1.8	+9.0	+1.6	2,133	2,130	1,907	1,656	+28.8
ments and related products	26,788	26,706	26,757	+0.3	-0.2	+1.2	27,035	26,453	26,604	26,705	+1.2
rch and navigation equipment	6,830	6,821	6,730	+0.1	+1.4	+2.5	6,924	6,718	6,661	6,662	+3.9
asuring and controlling devices	7,971	7,950	7,986	+0.3	-0.5	+0.1	8,058	7,929	7,969	8,314	-3.1
dical instruments and supplies	8,660	8,579	8,599	+0.9	-0.2	+1.7	8,686	8,456	8,567	8,396	+3.5
tographic goods	2,558	2,592	2,691	-1.3	-3.7	-0.1	2,591	2,581	2,661	2,633	-1.6
her durable goods	28,272	28,286	28,207	0.0	+0.3	-0.3	28,221	28,235	28,543	27,646	+2.1
rable goods industries	170,703	170,187	170,168	+0.3	0.0	-0.7	171,417	169,965	170,914	172,069	-0.4
h unfilled orders	40,940	41,124	40,785	-0.4	+0.8	-1.3	41,351	40,951	40,482	41,582	-0.6
and kindred products	37,914	37,699	37,773	+0.6	-0.2	+0.3	37,286	37,277	37,974	36,760	+1.4
at products	4,223	4,187	4,164	+0.9	+0.6	+1.7	4,349	4,266	4,268	4,153	+4.7
ry products	3,880	3,908	3,967	-0.7	-1.5	+1.4	3,993	3,894	3,910	3,927	+1.7
erages	8,559	8,506	8,558	+0.6	-0.6	+1.7	8,596	8,538	8,602	8,138	+5.6
other foods, except fats and oils	19,471	19,285	19,252	+1.0	+0.2	-0.7	18,581	18,722	19,258	18,625	-0.2
co products	5,343	5,363	5,513	-0.4	-2.7	-3.0	5,229	5,416	5,947	5,707	-8.4
e mill products	10,106	10,080	10,025	+0.3	+0.5	-0.5	10,343	10,082	10,129	10,482	-1.3
adwoven fabrics and											
her textiles	6,221	6,231	6,248	-0.2	-0.3	-0.8	6,340	6,202	6,343	6,499	-2.4
and allied products	15,984	16,073	16,078	-0.6	0.0	-0.6	16,182	16,236	16,197	16,609	-2.6
, paper, and											
perboard mill products	6,498	6,563	6,591	-1.0	-0.4	-0.4	6,535	6,640	6,700	6,619	-1.3
erboard containers and boxes	3,923	3,941	3,943	-0.5	-0.1	-1.1	3,976	3,989	3,975	4,280	-7.1
cellaneous converted											
per products	5,563	5,569	5,544	-0.1	+0.5	-0.6	5,671	5,607	5,522	5,710	-0.7
icals and allied products	46,312	45,918	46,295	+0.9	-0.8	-0.3	46,845	46,170	46,841	46,137	+1.5
strial chemicals	19,095	19,157	19,316	-0.3	-0.8	-1.2	19,093	19,164	19,554	20,469	-6.7
gs, soaps, and toiletries	21,325	20,898	21,170	+2.0	-1.3	+0.6	21,640	20,663	21,045	20,088	+7.7
eum and coal products	10,723	10,545	10,040	+1.7	+5.0	-1.9	10,850	10,403	9,724	11,467	-5.4
r and plastics products	16,730	16,659	16,710	+0.4	-0.3	-0.4	16,960	16,967	17,095	16,745	+1.3
her nondurable goods	27,591	27,850	27,734	-0.9	+0.4	-1.9	27,722	27,414	27,007	28,162	-1.6

[p] reliminary. [r] Revised.

e note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	347,558	349,065	343,724	-0.4	+1.6	+0.6	344,047	369,208	341,000	332,551	+3.5	1,361,837	1,322,262
Market categories :													
Automotive equipment	15,635	16,217	15,796	-3.6	+2.7	+1.5	16,548	17,844	17,256	15,201	+8.9	65,983	59,329
Home goods and apparel	20,295	19,795	19,741	+2.5	+0.3	-0.2	19,422	20,808	19,763	18,021	+7.8	76,766	72,930
Consumer staples	71,765	72,057	70,814	-0.4	+1.8	+1.7	69,710	73,294	67,997	66,987	+4.1	276,377	266,941
Machinery and equipment	67,659	68,018	65,797	-0.5	+3.4	-0.2	65,184	76,810	64,180	61,150	+6.6	261,467	247,384
Business supplies	25,960	26,229	26,020	-1.0	+0.8	+0.6	26,249	26,580	25,461	25,996	+1.0	101,942	99,715
Construction materials and supplies	22,739	22,685	22,437	+0.2	+1.1	+1.9	22,907	22,881	21,548	21,496	+6.6	86,558	82,211
Defense products	6,746	6,912	6,930	-2.4	-0.3	-0.4	6,428	7,419	7,001	6,806	-5.6	26,611	26,860
Other materials, supplies and and intermediate products	116,759	117,152	116,189	-0.3	+0.8	+0.2	117,599	123,572	117,794	116,894	+0.6	466,133	466,892
Durable goods industries :													
Nondefense capital goods [3]	54,754	54,217	52,772	+1.0	+2.7	-0.3	50,797	62,137	50,014	46,966	+8.2	205,960	195,01
Excluding aircraft and parts	46,033	45,653	44,228	+0.8	+3.2	-0.4	42,149	52,867	41,929	39,531	+6.6	172,849	166,20
Defense capital goods [4]	6,525	6,673	6,729	-2.2	-0.8	-0.2	6,159	7,173	6,754	6,450	-4.5	25,580	25,43
Durables excluding capital goods	135,972	137,402	134,964	-1.0	+1.8	+0.4	137,880	146,170	138,151	131,543	+4.8	544,143	518,83
Miscellaneous series :													
Producers' durable equipment	129,570	130,124	126,816	-0.4	+2.6	0.0	127,729	144,571	127,867	118,802	+7.5	510,541	479,25
Household durable goods	10,497	10,169	10,279	+3.2	-1.1	+2.2	10,201	11,111	10,162	8,858	+15.2	39,939	35,84
Information technology industries	26,831	25,972	25,468	+3.3	+2.0	-1.5	22,866	31,010	23,214	20,638	+10.8	97,216	90,74
Health care equipment and products	12,978	13,075	12,624	-0.7	+3.6	+4.5	12,269	13,996	12,146	11,043	+11.1	49,758	45,72
NEW ORDERS													
All manufacturing industries	345,418	349,722	343,046	-1.2	+1.9	-1.8	346,194	367,859	339,552	336,909	+2.8	1,379,198	1,332,60
Market categories :													
Automotive equipment	15,606	16,200	15,726	-3.7	+3.0	+0.3	16,474	17,807	17,200	15,119	+9.0	66,088	59,30
Home goods and apparel	20,367	20,022	19,940	+1.7	+0.4	+1.3	19,618	20,986	20,139	17,763	+10.4	77,908	72,60
Consumer staples	71,739	72,156	70,782	-0.6	+1.9	+1.5	69,694	73,404	67,713	67,002	+4.0	276,405	266,93
Machinery and equipment	65,331	66,834	65,715	-2.2	+1.7	-5.9	63,527	74,907	64,574	62,685	+1.3	263,515	251,67
Business supplies	25,954	26,343	25,967	-1.5	+1.4	-0.3	26,397	26,744	25,250	26,148	+1.0	102,419	100,05
Construction materials and supplies	22,835	22,781	22,578	+0.2	+0.9	+2.1	23,039	23,099	21,798	21,767	+5.8	87,430	83,05
Defense products	5,396	8,081	5,757	-33.2	+40.4	-30.6	5,339	9,597	4,886	6,931	-23.0	28,542	27,09
Other materials, supplies and and intermediate products	118,190	117,305	116,581	+0.8	+0.6	-1.1	122,106	121,315	117,992	119,494	+2.2	476,891	471,87
Durable goods industries :													
Nondefense capital goods [3]	52,603	53,299	53,233	-1.3	+0.1	-6.4	48,648	60,457	50,791	47,519	+2.4	207,888	198,15
Excluding aircraft and parts	47,511	47,301	45,522	+0.4	+3.9	+0.5	43,629	53,753	43,539	38,934	+12.1	178,803	168,55
Defense capital goods [4]	5,106	7,769	5,499	-34.3	+41.3	-31.4	5,078	9,359	4,655	6,813	-25.5	27,636	26,35
Durables excluding capital goods	137,455	138,298	135,054	-0.6	+2.4	-1.3	142,976	144,365	138,078	134,827	+6.0	556,891	524,64
Miscellaneous series :													
Producers' durable equipment	126,840	129,074	125,786	-1.7	+2.6	-4.4	125,308	142,168	127,342	119,911	+4.5	512,858	482,98
Household durable goods	10,518	10,446	10,429	+0.7	+0.2	+3.9	10,248	11,209	10,311	8,583	+19.4	40,623	35,20
Information technology industries	26,656	26,538	26,329	+0.4	+0.8	+1.2	22,810	31,499	24,249	20,375	+12.0	98,801	92,46
Health care equipment and products	13,196	12,916	12,580	+2.2	+2.7	+2.9	12,791	13,351	12,044	11,467	+11.5	49,964	46,40

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98
UNFILLED ORDERS											
l manufacturing industries	524,516	526,656	525,999	-0.4	+0.1	-0.1	530,347	528,200	529,549	541,896	-2.1
ket categories :											
utomotive equipment	2,479	2,508	2,526	-1.2	-0.7	-2.7	2,510	2,584	2,621	2,464	+1.9
ome goods and apparel	9,386	9,314	9,087	+0.8	+2.5	+2.2	9,454	9,258	9,079	8,228	+14.9
onsumer staples	2,500	2,527	2,428	-1.1	+4.1	-1.3	2,291	2,306	2,196	2,043	+12.1
lachinery and equipment	241,920	244,248	245,431	-1.0	-0.5	0.0	242,619	244,276	246,179	247,035	-1.8
usiness supplies	7,030	7,036	6,922	-0.1	+1.6	-0.8	6,997	6,850	6,686	6,776	+3.3
onstruction materials and supplies	17,937	17,841	17,746	+0.5	+0.5	+0.8	18,113	17,981	17,763	18,467	-1.9
efense products	90,946	92,296	91,127	-1.5	+1.3	-1.3	92,846	93,936	91,758	97,781	-5.0
ther materials, supplies and and intermediate products	152,318	150,886	150,732	+0.9	+0.1	+0.3	155,517	151,009	153,267	159,102	-2.3
ıble goods industries :											
ondefense capital goods [3]	258,681	260,832	261,750	-0.8	-0.4	+0.2	259,010	261,159	262,839	264,361	-2.0
Excluding aircraft and parts	112,202	110,724	109,076	+1.3	+1.5	+1.2	112,531	111,051	110,165	105,525	+6.6
efense capital goods [4]	95,672	97,091	95,995	-1.5	+1.1	-1.3	97,769	98,850	96,664	103,135	-5.2
ırables excluding capital goods	146,742	145,259	144,363	+1.0	+0.6	+0.1	149,993	144,897	146,702	148,711	+0.9
ellaneous series :											
oducers' durable equipment	281,330	284,060	285,110	-1.0	-0.4	-0.4	281,821	284,242	286,645	286,839	-1.7
ousehold durable goods	5,950	5,929	5,652	+0.4	+4.9	+2.7	5,845	5,798	5,700	5,149	+13.5
formation technology industries	40,775	40,950	40,384	-0.4	+1.4	+2.2	40,701	40,757	40,268	39,690	+2.5
alth care equipment and products	9,869	9,651	9,811	+2.3	-1.6	-0.4	9,831	9,309	9,954	9,144	+7.5
TOTAL INVENTORIES											
manufacturing industries	462,963	463,578	464,198	-0.1	-0.1	-0.1	465,318	462,645	466,680	467,122	-0.4
et categories :											
tomotive equipment	8,597	8,772	8,516	-2.0	+3.0	-0.8	8,676	8,937	8,570	8,372	+3.6
me goods and apparel	31,138	31,410	31,578	-0.9	-0.5	-0.8	31,407	31,193	31,434	31,553	-0.5
nsumer staples	74,025	73,313	73,309	+1.0	0.0	-0.2	73,831	72,630	73,478	72,530	+1.8
chinery and equipment	117,807	118,433	118,149	-0.5	+0.2	+0.7	118,684	117,839	119,200	119,660	-0.8
siness supplies	28,367	28,261	27,965	+0.4	+1.1	-1.5	28,627	28,190	27,779	28,253	+1.3
nstruction materials and supplies	28,716	28,755	28,741	-0.1	0.0	-0.4	28,960	29,007	29,050	28,687	+1.0
fense products	17,957	18,168	18,365	-1.2	-1.1	+1.0	17,955	18,019	18,267	17,808	+0.8
er materials, supplies and nd intermediate products	156,356	156,466	157,575	-0.1	-0.7	-0.4	157,178	156,830	158,902	160,259	-1.9
ıle goods industries :											
ndefense capital goods [3]	109,927	110,417	110,270	-0.4	+0.1	+0.5	110,685	109,409	110,960	112,065	-1.2
xcluding aircraft and parts	72,236	72,277	71,701	-0.1	+0.8	+0.9	73,221	71,461	72,161	73,358	-0.2
fense capital goods [4]	18,311	18,533	18,780	-1.2	-1.3	+1.1	18,299	18,382	18,681	18,141	+0.9
rables excluding capital goods	164,022	164,441	164,980	-0.3	-0.3	-0.2	164,917	164,889	166,125	164,847	0.0
ellaneous series :											
oducers' durable equipment	189,775	190,873	190,422	-0.6	+0.2	+0.3	191,075	190,251	191,541	192,023	-0.5
usehold durable goods	16,145	16,234	16,279	-0.5	-0.3	-1.0	16,209	16,127	16,352	15,758	+2.9
formation technology industries	32,690	32,942	32,250	-0.8	+2.1	+2.0	33,318	32,279	32,276	34,591	-3.7
alth care equipment and products	20,200	19,892	20,057	+1.5	-0.8	+1.1	20,395	19,645	19,961	19,285	+5.8

e footnotes at end of table 5.

e note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Apr. 1998	Apr. 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	152,477	153,388	153,939	-0.6	-0.4	0.0	152,000	152,705	154,371	154,280	-1.5
Durable goods industries	91,718	92,298	92,436	-0.6	-0.1	+0.5	90,999	91,271	92,448	91,738	-0.8
Stone, clay, and glass products	3,181	3,194	3,136	-0.4	+1.8	+0.1	3,149	3,163	3,134	2,953	+6.6
Primary metals	7,470	7,578	7,590	-1.4	-0.2	-1.4	7,215	7,307	7,497	7,618	-5.3
Fabricated metal products	10,351	10,412	10,429	-0.6	-0.2	+0.2	10,280	10,381	10,406	10,590	-2.9
Industrial machinery and equipment	20,118	20,304	19,989	-0.9	+1.6	0.0	20,058	20,070	20,089	19,903	+0.8
Electronic and other electrical equipment	15,532	15,607	15,636	-0.5	-0.2	+0.8	15,611	15,423	15,534	15,636	-0.2
Transportation equipment	15,042	15,041	15,552	0.0	-3.3	+1.9	15,014	15,065	15,648	15,287	-1.8
Instruments and related products	9,128	9,178	9,130	-0.5	+0.5	+2.9	9,197	9,142	9,029	9,310	-1.2
Lumber, furniture and miscellaneous durable goods	10,896	10,984	10,974	-0.8	+0.1	-1.1	10,475	10,720	11,111	10,441	+0.3
Nondurable goods industries	60,759	61,090	61,503	-0.5	-0.7	-0.9	61,001	61,434	61,923	62,542	-2.5
Food and kindred products	11,285	11,392	11,315	-0.9	+0.7	-0.8	11,327	11,508	11,441	11,311	+0.1
Tobacco products	4,701	4,711	4,809	-0.2	-2.0	-2.4	4,702	4,827	5,113	5,035	-6.6
Textile mill products	2,819	2,845	2,869	-0.9	-0.8	-0.4	2,865	2,883	2,906	3,026	-5.3
Paper and allied products	7,713	7,762	7,772	-0.6	-0.1	-0.9	7,766	7,807	7,801	8,076	-3.8
Chemicals and allied products	15,624	15,516	15,661	+0.7	-0.9	-0.9	15,662	15,488	15,712	15,234	+2.8
Petroleum and coal products	3,164	3,195	3,115	-1.0	+2.6	+1.4	3,237	3,267	3,057	3,483	-7.1
Rubber and plastics products	6,765	6,761	6,830	+0.1	-1.0	-0.2	6,782	6,774	6,888	6,749	+0.5
Apparel, printing and publishing and leather goods	8,688	8,908	9,132	-2.5	-2.5	-1.4	8,660	8,880	9,005	9,628	-10.1
WORK IN PROCESS											
All manufacturing industries	148,698	148,395	148,707	+0.2	-0.2	-0.1	148,981	147,292	148,767	150,409	-0.9
Durable goods industries	117,796	118,609	119,250	-0.7	-0.5	-0.1	118,022	118,080	119,390	120,869	-2.4
Stone, clay, and glass products	1,351	1,321	1,344	+2.3	-1.7	-4.3	1,410	1,404	1,424	1,362	+3.5
Primary metals	8,142	8,228	8,426	-1.0	-2.3	-1.3	8,179	8,278	8,447	8,718	-6.2
Fabricated metal products	8,890	9,005	9,061	-1.3	-0.6	-0.1	8,858	8,977	8,922	8,977	-1.3
Industrial machinery and equipment	22,217	22,196	22,654	+0.1	-2.0	+0.5	22,328	21,876	22,861	22,952	-2.7
Electronic and other electrical equipment	14,136	13,868	13,733	+1.9	+1.0	+0.2	14,342	13,731	13,782	15,039	-4.6
Transportation equipment	47,723	48,781	48,779	-2.2	0.0	-0.1	47,407	48,669	48,702	48,445	-2.1
Instruments and related products	9,944	9,931	9,998	+0.1	-0.7	+0.3	10,067	9,867	9,996	10,048	+0.2
Lumber, furniture and miscellaneous durable goods	5,393	5,279	5,255	+2.2	+0.5	-0.8	5,431	5,278	5,256	5,328	+1.9
Nondurable goods industries	30,902	29,786	29,457	+3.7	+1.1	+0.1	30,959	29,212	29,377	29,540	+4.8
Food and kindred products	6,622	6,168	6,151	+7.4	+0.3	+2.0	6,421	6,000	6,270	5,466	+17.5
Tobacco products	84	92	93	-8.7	-1.1	-2.1	76	92	91	110	-30.9
Textile mill products	2,545	2,526	2,518	+0.8	+0.3	-1.4	2,568	2,509	2,516	2,719	-5.6
Paper and allied products	1,627	1,650	1,650	-1.4	0.0	+0.2	1,647	1,675	1,687	1,678	-1.8
Chemicals and allied products	9,086	8,728	8,762	+4.1	-0.4	+1.8	9,173	8,536	8,724	8,615	+6.5
Petroleum and coal products	2,574	2,452	2,241	+5.0	+9.4	-2.2	2,628	2,434	2,190	2,724	-3.5
Rubber and plastics products	2,297	2,275	2,225	+1.0	+2.2	-0.9	2,289	2,293	2,263	2,223	+3.0
Apparel, printing and publishing and leather goods	6,067	5,895	5,817	+2.9	+1.3	-2.7	6,157	5,673	5,636	6,005	+2.5
FINISHED GOODS											
All manufacturing industries	161,788	161,795	161,552	0.0	+0.2	-0.3	164,337	162,648	163,542	162,433	+1.2
Durable goods industries	82,746	82,484	82,344	+0.3	+0.2	+0.1	84,880	83,329	83,928	82,446	+3.0
Stone, clay, and glass products	4,694	4,743	4,783	-1.0	-0.8	-1.2	4,874	4,915	4,941	4,977	-2.1
Primary metals	8,013	7,928	8,160	+1.1	-2.8	-0.5	8,139	8,011	8,314	7,996	+1.8
Fabricated metal products	11,535	11,402	11,359	+1.2	+0.4	-0.8	11,953	11,685	11,581	11,387	+5.0
Industrial machinery and equipment	18,221	18,317	18,030	-0.5	+1.6	-0.4	18,740	18,492	18,677	18,897	-0.8
Electronic and other electrical equipment	10,828	10,881	10,764	-0.5	+1.1	+3.8	11,196	10,828	10,807	11,104	+0.8
Transportation equipment	9,756	9,593	9,641	+1.7	-0.5	-1.1	9,892	9,717	9,853	8,861	+11.6
Instruments and related products	7,716	7,597	7,629	+1.6	-0.4	+0.3	7,771	7,444	7,579	7,347	+5.8
Lumber, furniture and miscellaneous durable goods	11,983	12,023	11,978	-0.3	+0.4	+0.7	12,315	12,237	12,176	11,877	+3.7
Nondurable goods industries	79,042	79,311	79,208	-0.3	+0.1	-0.8	79,457	79,319	79,614	79,987	-0.7
Food and kindred products	20,007	20,139	20,307	-0.7	-0.8	+0.4	19,538	19,769	20,263	19,983	-2.2
Tobacco products	558	560	611	-0.4	-8.3	-7.6	451	497	743	562	-19.8
Textile mill products	4,742	4,709	4,638	+0.7	+1.5	-0.1	4,910	4,690	4,707	4,737	+3.7
Paper and allied products	6,644	6,661	6,656	-0.3	+0.1	-0.5	6,769	6,754	6,709	6,855	-1.3
Chemicals and allied products	21,602	21,674	21,872	-0.3	-0.9	-0.6	22,010	22,146	22,405	22,288	-1.2
Petroleum and coal products	4,985	4,898	4,684	+1.8	+4.6	-3.9	4,985	4,702	4,477	5,260	-5.2
Rubber and plastics products	7,668	7,623	7,655	+0.6	-0.4	-0.5	7,889	7,900	7,944	7,773	+1.5
Apparel, printing and publishing and leather goods	12,836	13,047	12,785	-1.6	+2.0	-1.9	12,905	12,861	12,366	12,529	+3.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Jan. 1999	Apr. 1999[p]	Mar. 1999[r]	Feb. 1999	Jan. 1999
l manufacturing industries	1.33	1.33	1.35	1.36	2.63	2.64	2.67	2.67
ble goods industries	1.48	1.48	1.51	1.51	3.08	3.10	3.15	3.14
ne, clay, and glass products	1.10	1.09	1.10	1.14	0.77	0.78	0.77	0.79
nary metals	1.67	1.64	1.70	1.71	2.12	2.02	2.06	2.02
ricated metal products	1.50	1.51	1.51	1.51	1.34	1.36	1.36	1.35
ustrial machinery and equipment	1.61	1.64	1.65	1.66	2.22	2.19	2.17	2.17
ctronic and other ectrical equipment	1.21	1.22	1.25	1.21	1.94	1.94	1.95	1.91
nsportation equipment	1.52	1.49	1.56	1.56	8.97	9.07	9.51	9.55
ruments and related products	1.88	1.84	1.90	1.89	3.35	3.25	3.38	3.38
lurable goods industries	1.14	1.13	1.14	1.16	0.63	0.64	0.64	0.64
d and kindred products	0.93	0.90	0.91	0.91	(X)	(X)	(X)	(X)
acco products	1.31	1.29	1.35	1.41	(X)	(X)	(X)	(X)
tile mill products	1.54	1.58	1.56	1.53	(NA)	(NA)	(NA)	(NA)
er and allied products	1.19	1.20	1.18	1.20	(NA)	(NA)	(NA)	(NA)
micals and allied products	1.38	1.37	1.39	1.44	(X)	(X)	(X)	(X)
oleum and coal products	0.83	0.85	0.89	0.93	(X)	(X)	(X)	(X)
ber and plastics products	1.24	1.22	1.22	1.27	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; r vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; leum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr.[1] 1999	Apr.[2] 1994-1998	Apr. 1998-Mar. 1999	Apr.[1] 1999	Apr.[2] 1994-1998	Apr. 1998-Mar. 1999	Apr.[1] 1999	Apr.[2] 1994-1998	Apr. 1998-Mar. 1999	Apr.[1] 1999	Apr.[2] 1994-1998	Apr. 1998-Mar. 1999
manufacturing industries	(X)	0.2	0.2	(X)	0.3	0.3	(X)	0.0	0.1	(X)	0.0	0.0
le goods industries	0.1	0.2	0.2	0.2	0.4	0.4	0.1	0.1	0.1	(X)	0.1	0.1
e, clay, and glass products	(X)	0.6	0.4	(X)	0.9	0.6	(X)	0.6	0.4	(X)	0.2	0.2
ary metals	-0.2	0.6	0.3	0.3	1.0	0.8	0.2	0.3	0.2	(X)	0.2	0.1
icated metal products	(X)	0.2	0.3	(X)	0.3	0.4	(X)	0.2	0.3	(X)	0.1	0.1
strial machinery and equipment	0.4	0.3	0.4	0.1	0.4	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
tronic and other ctrical equipment	0.9	0.3	0.5	1.2	0.9	1.4	0.2	0.5	0.6	(X)	0.1	0.2
sportation equipment	-0.5	0.2	0.7	0.1	0.5	1.0	0.1	0.1	0.1	(X)	0.1	0.2
uments and related products	(X)	0.5	0.6	(X)	1.3	1.5	(X)	0.3	0.4	(X)	0.1	0.1
rable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1
d and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
acco products	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
ile mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
r and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
nicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
oleum and coal products	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.7
ber and plastics products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
l goods industries :												
defense	0.2	0.3	0.3	0.2	0.2	0.5	0.0	0.1	0.1	(X)	0.1	0.1
nse	-1.5	0.2	0.4	2.1	1.6	3.4	0.2	0.1	0.2	(X)	0.1	0.2

X) Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The hly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ble goods industries are shown in the advance report for the month.

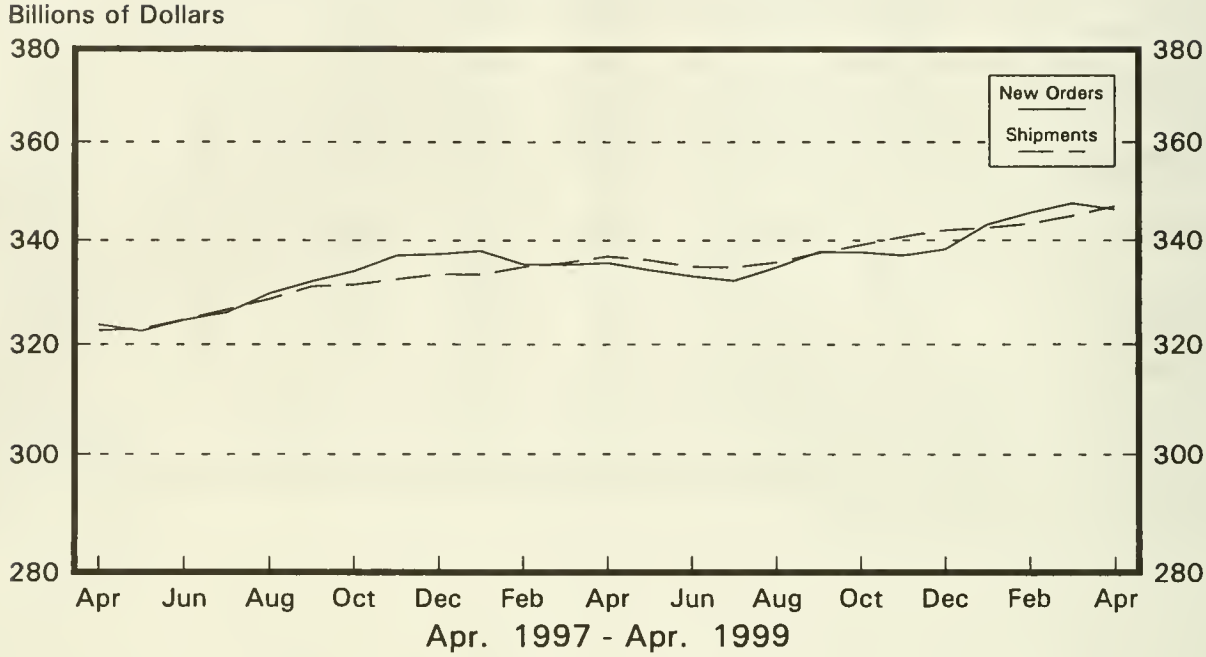
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

ee note at end of table 2 relating to survey error and revision.

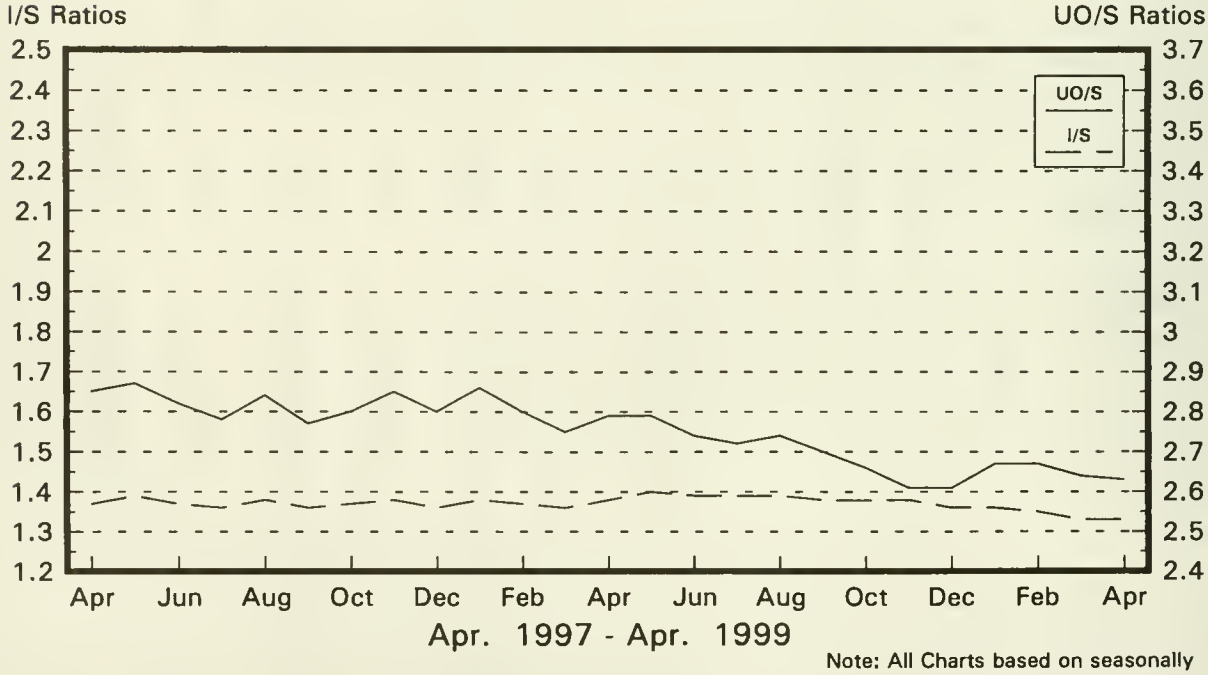
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

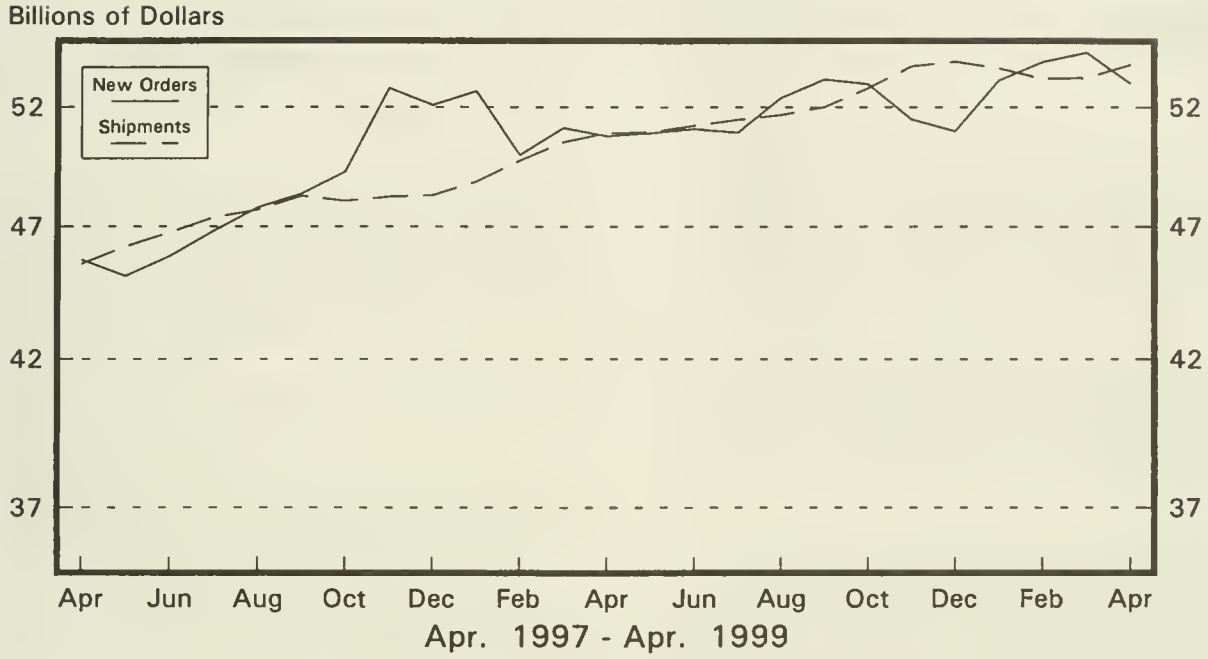
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

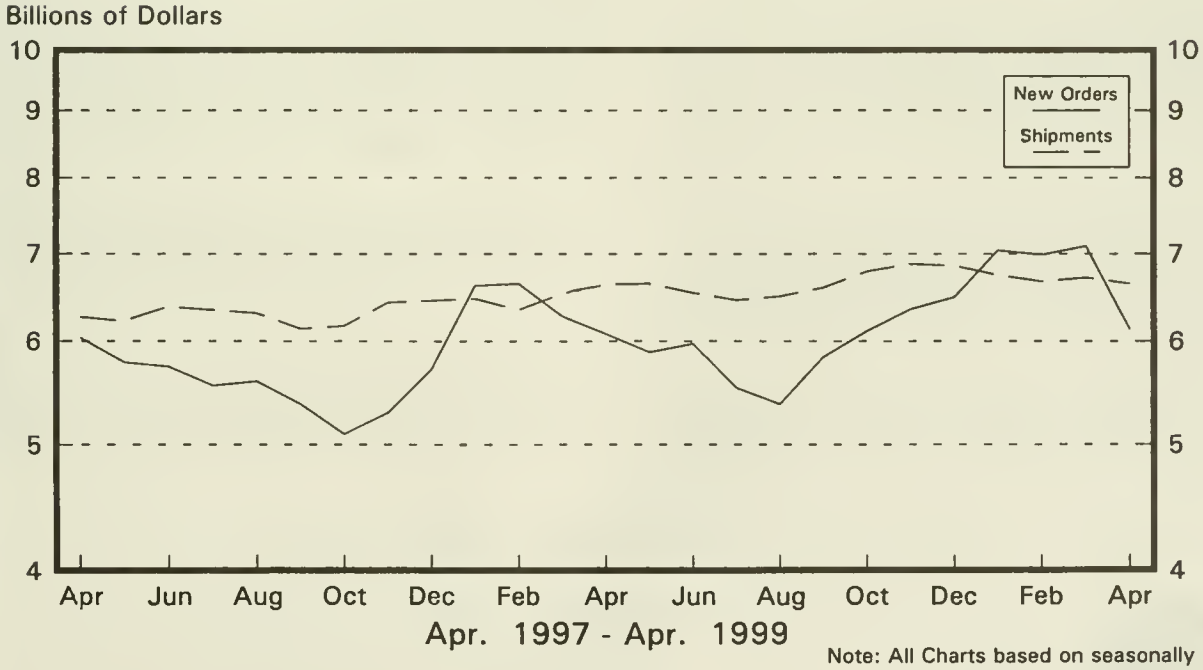
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

rrent Industrial Reports, Manufacturers' Shipments, ventories, and Orders, M3-1-(99)-05, May 1999

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May increased $3.7 billion or 1.1 percent to $348.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.4 percent April decrease and is the ninth increase in the last twelve months. Excluding transportation, new orders decreased 0.1 percent, the first decrease since January. Year-to-date, new orders are 3.7 percent above the same period a year ago.

Shipments increased $3.3 billion or 0.9 percent to $350.9 billion, following a 0.4 percent April decrease. This is the ninth increase in the last twelve months. Year-to-date, shipments are 3.4 percent above the same period a year ago.

Unfilled orders decreased $2.2 billion or 0.4 percent to $521.8 billion, following a 0.5 percent April decrease. This is the tenth decrease in the last thirteen months. The unfilled orders-to-shipments ratio was 2.59, down from 2.63 in April.

Inventories increased $0.8 billion or 0.2 percent to $464.0 billion. This is the first increase since October 1998. The inventories-to-shipments ratio was 1.32, down from 1.33 in April.

New Orders

New orders for manufactured durable goods in May increased $2.4 billion or 1.2 percent to $197.0 billion, revised from the previously published 1.4 percent increase. This follows a 2.4 percent April decrease and is the ninth increase in the last twelve months.

Transportation equipment had the largest increase, $3.9 billion or 9.5 percent to $45.5 billion; led by aircraft and parts, all component industries increased except shipbuilding and tanks. This follows a 12.5 percent April decrease and is the fifth increase in the last seven months. Industrial machinery and equipment decreased $1.5 billion or 3.9 percent to $38.0 billion, following a 3.2 percent April increase. Electronic and other electrical equipment decreased $0.4 billion or 1.2 percent to $33.9 billion, following a 0.3 percent April increase.

New orders for nondurable goods, up three of the last four months, increased $1.4 billion or 0.9 percent to $151.6 billion. This follows a 0.1 percent April decrease. Food and kindred products and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in May increased $2.5 billion or 1.2 percent to $199.7 billion, revised from the previously published 1.0 percent increase. This is the tenth increase in the last twelve months.

Transportation equipment had the largest increase, $0.8 billion or 1.8 percent to $48.6 billion; all component industries increased. This follows a 3.1 percent April decrease and is the third increase in the last four months. Industrial machinery and equipment, up for the fourth consecutive month, increased $0.4 billion or 0.9 percent to $37.8 billion. This follows a 1.3 percent April increase. Primary metals increased $0.3 billion or 2.0 percent to $14.5 billion, following a 1.9 percent April decrease.

Shipments of nondurable goods increased $0.8 billion or 0.6 percent to $151.2 billion. This follows a 0.3 percent April decrease and is the third increase in the last four months. Food and kindred products, up eight of the last ten months, increased $0.8 billion or 1.9 percent to $41.5 billion. This follows a 2.2 percent April decrease.

Unfilled Orders

Unfilled orders for durable goods in May decreased $2.7 billion or 0.5 percent to $497.9 billion, revised from the previously published 0.4 percent decrease. This follows a 0.5 percent April decrease and is the third decrease in the last four months. Transportation equipment, down eleven of the last thirteen months, had the largest decrease, $3.1 billion or 1.3 percent to $235.4 billion. This follows a 2.5 percent April decrease. Primary metals, up four consecutive months, increased $0.4 billion or 1.5 percent to $30.3 billion. This follows a 1.8 percent April increase. Industrial machinery and equipment, up six consecutive months, increased $0.2 billion or 0.3 percent to $79.1 billion. This follows a 2.7 percent April increase.

Inventories

Inventories of durable goods in May increased slightly to $292.5 billion, following a 0.3 percent April decrease. Electronic and other electrical equipment had the largest increase, $0.2 billion or 0.5 percent to $40.7 billion. This follows a 0.5 percent April increase and is the fourth consecutive increase. Transportation equipment, down six of the last seven months, decreased $0.6 billion or 0.8 percent to $71.8 billion, following a 1.3 percent April decrease.

Inventories of nondurable goods increased $0.7 billion or 0.4 percent to $171.5 billion, following a 0.3 percent April increase. Chemicals and allied products had the largest increase, $0.7 billion or 1.4 percent to $47.0 billion. This follows a 1.0 percent April increase. Rubber and plastics products increased $0.2 billion or 1.3 percent to $17.0 billion, following a 0.8 percent April increase.

By stage of fabrication, May finished goods increased 0.9 percent in durables and 0.6 percent in nondurables. Work in process decreased 0.3 percent in durables and increased 1.0 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and 0.1 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for June is scheduled for July 28, 1999 at 8:30 a.m. and the full report on August 4, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1999[p]	Apr. 1999[r]	Mar 1999	Apr - May	Mar - Apr	Feb - Mar	May 1999[p]	Apr 1999[r]	Mar 1999	May 1998	May 99/98	1999[p]	1998
All manufacturing industries	350,856	347,568	349,065	+0.9	-0.4	+1.6	350,410	343,780	369,208	333,343	+5.1	1,711,980	1,655,605
Manufacturing Industries													
with unfilled orders	201,716	199,287	199,369	+1.2	0.0	+1.3	198,109	193,518	213,417	188,024	+5.4	972,952	941,324
without defense capital goods	344,190	341,042	342,392	+0.9	-0.4	+1.6	343,956	337,625	362,035	326,970	+5.2	1,679,950	1,623,801
Durable goods industries	199,699	197,246	198,292	+1.2	-0.5	+2.0	199,280	194,694	215,480	185,809	+7.2	974,821	925,082
With unfilled orders	164,511	162,442	162,478	+1.3	0.0	+1.8	161,903	157,582	176,528	151,387	+6.9	793,106	758,118
Stone, clay, and glass products	8,396	8,376	8,494	+0.2	-1.4	+0.4	8,623	8,575	8,418	8,258	+4.4	40,696	37,997
Primary metals	14,515	14,225	14,505	+2.0	-1.9	+2.0	14,903	14,731	15,242	15,551	-4.2	73,097	79,342
Blast furnaces, steel mills	5,644	5,509	5,637	+2.5	-2.3	+1.5	5,801	5,693	5,905	6,355	-8.7	28,411	32,751
Iron and steel foundries	1,506	1,495	1,548	+0.7	-3.4	+1.4	1,586	1,580	1,655	1,570	+1.0	7,805	7,819
Nonferrous and other primary metals	7,365	7,221	7,320	+2.0	-1.4	+2.5	7,516	7,458	7,682	7,626	-1.4	36,881	38,772
Fabricated metal products	20,408	20,416	20,416	0.0	0.0	+0.1	20,752	20,541	21,274	20,167	+2.9	101,709	97,782
Industrial machinery and equipment	37,817	37,464	36,972	+0.9	+1.3	+0.6	36,711	35,872	43,579	35,449	+3.6	182,229	180,384
Engines and turbines	2,531	2,405	2,284	+5.2	+5.3	-1.2	2,551	2,263	2,605	2,211	+15.4	11,604	10,740
Farm and garden machinery	1,827	1,908	2,003	-4.2	-4.7	+3.2	2,152	2,688	2,757	2,498	-13.9	11,605	12,462
Construction, mining and material handling equipment	3,828	3,939	4,139	-2.8	-4.8	+3.7	3,856	4,051	4,617	4,314	-10.6	20,100	21,196
Metalworking machinery	3,720	3,444	3,464	+8.0	-0.6	-2.3	3,677	3,157	3,696	3,347	+9.9	16,607	16,277
Computer and office equipment	11,685	11,769	11,084	-0.7	+6.2	-1.0	10,024	9,285	14,472	8,825	+13.6	51,612	47,844
Electronic and other electrical equipment	33,917	33,655	33,032	+0.8	+1.9	+2.5	32,446	30,994	35,501	28,523	+13.8	157,948	144,646
Electrical transmission and distribution equipment and industrial apparatus	3,812	3,730	3,778	+2.2	-1.3	+4.2	3,723	3,694	4,156	3,448	+8.0	18,425	17,927
Household appliances	2,347	2,402	2,338	-2.3	+2.7	-2.8	2,341	2,399	2,573	2,050	+14.2	11,484	9,945
Electric lighting and wiring equipment	2,360	2,280	2,314	+3.5	-1.5	+3.6	2,357	2,176	2,522	2,193	+7.5	11,307	11,006
Household audio and video equipment	1,097	1,083	1,031	+1.3	+5.0	-1.4	946	911	991	869	+8.9	4,730	4,545
Communications equipment	8,371	8,240	8,049	+1.6	+2.4	+5.4	7,711	7,030	9,208	6,362	+21.2	36,959	31,484
Electronic components	13,584	13,645	13,172	-0.4	+3.6	+0.9	13,036	12,724	13,759	11,449	+13.9	64,397	59,663
Transportation equipment	48,603	47,755	49,267	+1.8	-3.1	+3.7	50,377	49,661	53,786	45,533	+10.6	246,996	223,320
Motor vehicles and parts	32,372	32,209	33,281	+0.5	-3.2	+3.6	34,617	34,451	36,601	31,928	+8.4	171,401	155,664
Aircraft, missiles, space vehicles, and parts	12,835	12,248	12,098	+4.8	+1.2	-0.9	12,370	11,925	13,063	10,733	+15.3	59,162	53,030
Shipbuilding and tanks	956	947	1,083	+1.0	-12.6	+21.0	933	939	1,120	828	+12.7	4,657	4,382
Instruments and related products	14,388	14,210	14,553	+1.3	-2.4	+3.6	14,051	13,463	15,738	13,510	+4.0	69,410	68,006
Search and navigation equipment	3,207	3,109	3,177	+3.2	-2.1	+2.7	3,070	2,966	3,420	2,849	+7.8	15,321	14,648
Measuring and controlling devices	4,112	4,081	4,095	+0.8	-0.3	-1.1	4,115	3,859	4,451	4,134	-0.5	20,207	20,348
Medical instruments and supplies	4,801	4,711	4,962	+1.9	-5.1	+6.7	4,595	4,382	5,461	4,119	+11.6	23,073	21,567
Photographic goods	1,773	1,818	1,832	-2.5	-0.8	+10.8	1,766	1,754	1,903	1,945	-9.2	8,413	9,214
All other durable goods	21,655	21,145	21,053	+2.4	+0.4	+0.9	21,417	20,857	21,942	18,818	+13.8	102,736	93,605
Nondurable goods industries	151,157	150,322	150,773	+0.6	-0.3	+1.0	151,130	149,086	153,728	147,534	+2.4	737,159	730,523
With unfilled orders	37,205	36,845	36,891	+1.0	-0.1	-0.9	36,206	35,936	36,889	36,637	-1.2	179,846	183,200
Food and kindred products	41,518	40,733	41,659	+1.9	-2.2	+0.4	41,731	39,627	42,543	40,236	+3.7	203,057	198,803
Meat products	8,775	8,598	8,588	+2.1	+0.1	0.0	9,055	8,406	8,590	9,012	+0.5	42,457	42,767
Dairy products	6,404	6,096	6,667	+5.1	-8.6	+1.2	6,444	5,802	6,911	6,054	+6.4	32,073	29,457
Beverages	6,261	6,320	6,263	-0.9	+0.9	-0.1	6,677	6,358	6,183	6,475	+3.1	30,272	29,253
All other foods, except fats and oils	18,274	17,897	18,189	+2.1	-1.6	+0.7	17,751	17,239	18,907	16,627	+6.8	88,792	86,794
Tobacco products	4,063	4,071	4,149	-0.2	-1.9	+1.5	4,073	3,840	4,491	3,431	+18.7	20,293	16,541
Textile mill products	6,544	6,561	6,363	-0.3	+3.1	-1.0	6,592	6,311	6,734	6,773	-2.7	31,674	33,714
Broadwoven fabrics and other textiles	3,746	3,783	3,617	-1.0	+4.6	-2.1	3,810	3,670	3,966	4,112	-7.3	18,607	20,954
Paper and allied products	13,507	13,387	13,404	+0.9	-0.1	-1.9	13,404	13,138	13,495	13,801	-2.9	66,717	69,092
Pulp, paper, and paperboard mill products	5,041	5,065	5,102	-0.5	-0.7	-2.6	4,945	4,980	5,159	5,248	-5.8	25,332	27,060
Paperboard containers and boxes	3,342	3,288	3,267	+1.6	+0.6	-3.0	3,388	3,296	3,299	3,677	-7.9	16,644	18,004
Miscellaneous converted paper products	5,124	5,034	5,035	+1.8	0.0	-0.5	5,071	4,862	5,037	4,876	+4.0	24,741	24,028
Chemicals and allied products	33,389	33,575	33,577	-0.6	0.0	+1.1	33,671	34,533	35,471	32,920	+2.3	167,061	164,228
Industrial chemicals	14,440	14,451	14,587	-0.1	-0.9	-0.6	14,644	14,766	15,120	15,228	-3.8	73,572	77,264
Drugs, soaps, and toiletries	15,115	15,345	14,945	-1.5	+2.7	+1.7	14,101	14,658	15,721	12,595	+12.0	71,821	64,587
Petroleum and coal products	12,973	13,042	12,380	-0.5	+5.3	+9.9	13,749	13,221	11,434	13,175	+4.4	58,360	61,460
Rubber and plastics products	13,585	13,442	13,708	+1.1	-1.9	-0.1	13,967	13,910	14,404	13,478	+3.6	68,395	66,372
All other nondurable goods	25,578	25,511	25,533	+0.3	-0.1	+0.4	23,943	24,506	25,156	23,720	+0.9	121,602	120,313

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98	1999[p]	1998
All manufacturing industries	348,640	344,915	349,722	+1.1	-1.4	+1.9	344,991	345,401	367,859	327,550	+5.3	1,723,396	1,660,150
lanufacturing industries													
with unfilled orders	199,500	196,634	200,026	+1.5	-1.7	+2.0	192,690	195,139	212,068	182,231	+5.7	984,368	945,869
without defense capital goods	342,595	339,855	341,953	+0.8	-0.6	+1.3	340,133	340,358	358,500	323,354	+5.2	1,690,937	1,629,604
urable goods industries	197,036	194,674	199,366	+1.2	-2.4	+2.9	193,157	196,132	214,181	180,165	+7.2	985,002	929,311
With unfilled orders	161,848	159,870	163,552	+1.2	-2.3	+2.9	155,780	159,020	175,229	145,743	+6.9	803,287	762,347
one, clay, and glass products	8,413	8,266	8,584	+1.8	-3.7	+2.1	8,593	8,439	8,582	8,109	+6.0	40,842	38,123
imary metals	14,956	14,767	14,539	+1.3	+1.6	-0.4	14,883	15,068	15,406	14,642	+1.6	75,322	79,247
Blast furnaces, steel mills	5,840	5,846	5,817	-0.1	+0.5	-1.1	5,839	5,987	6,103	6,172	-5.4	29,909	33,094
Iron and steel foundries	1,406	1,511	1,367	-6.9	+10.5	-0.4	1,367	1,553	1,537	1,481	-7.7	7,516	8,229
Nonferrous and other primary metals	7,710	7,410	7,355	+4.0	+0.7	+0.1	7,677	7,528	7,766	6,989	+9.8	37,897	37,924
ibricated metal products	20,215	20,071	20,391	+0.7	-1.6	-0.1	20,547	20,224	21,295	20,089	+2.3	101,932	98,627
dustrial machinery and equipment	38,022	39,556	38,338	-3.9	+3.2	+3.5	36,823	37,830	44,134	34,900	+5.5	186,876	180,775
Engines and turbines	2,882	4,358	3,605	-33.9	+20.9	+23.0	2,774	3,875	3,488	1,877	+47.8	14,896	9,423
Construction, mining and material handling equipment	3,821	3,872	3,928	-1.3	-1.4	+1.2	3,721	3,898	4,535	4,197	-11.3	20,165	22,404
Metalworking machinery	3,765	3,609	3,392	+4.3	+6.4	-7.7	3,722	3,322	3,624	3,306	+12.6	16,990	16,507
Computer and office equipment	11,606	11,565	11,363	+0.4	+1.8	+4.0	10,247	9,256	14,648	9,112	+12.5	51,809	48,273
ectronic and other lectrical equipment	33,949	34,364	34,264	-1.2	+0.3	+4.9	30,374	35,334	34,282	27,052	+12.3	165,078	149,752
Electrical transmission and distribution equipment and industrial apparatus	3,830	3,742	3,837	+2.4	-2.5	+5.2	3,718	3,698	4,220	3,413	+8.9	18,706	17,914
Electric lighting and wiring equipment	2,269	2,372	2,335	-4.3	+1.6	+3.0	2,266	2,268	2,543	2,288	-1.0	11,463	11,396
Communications equipment	8,366	8,201	8,409	+2.0	-2.5	+3.4	7,713	6,976	9,556	7,264	+6.2	37,892	34,488
Electronic components	13,941	14,379	13,956	-3.0	+3.0	+6.8	11,432	17,155	12,273	9,349	+22.3	70,334	61,324
insportation equipment	45,549	41,616	47,558	+9.5	-12.5	+4.7	46,176	43,580	53,049	43,299	+6.6	240,465	222,248
Aircraft, missiles, space vehicles, and parts	10,413	7,219	10,369	+44.2	-30.4	-5.5	9,083	7,193	12,352	9,431	-3.7	53,310	54,118
Shipbuilding and tanks	626	639	1,993	-2.0	-67.9	360.3	571	648	2,026	284	101.1	5,443	3,226
truments and related products	14,504	14,825	14,402	-2.2	+2.9	+1.6	14,216	14,340	15,222	12,892	+10.3	70,596	66,854
Search and navigation equipment	3,096	3,534	3,186	-12.4	+10.9	+0.3	2,842	3,463	3,513	2,414	+17.7	15,740	13,554
Measuring and controlling devices	4,101	4,048	4,142	+1.3	-2.3	-2.2	4,104	3,826	4,498	3,864	+6.2	20,429	19,807
Medical instruments and supplies	5,079	5,000	4,802	+1.6	+4.1	+4.3	5,030	4,912	4,815	4,201	+19.7	23,722	22,328
other durable goods	21,428	21,209	21,290	+1.0	-0.4	+1.0	21,545	21,317	22,211	19,182	+12.3	103,891	93,685
ndurable goods industries	151,604	150,241	150,356	+0.9	-0.1	+0.7	151,834	149,269	153,678	147,385	+3.0	738,394	730,839
With unfilled orders	37,652	36,764	36,474	+2.4	+0.8	-2.0	36,910	36,119	36,839	36,488	+1.2	181,081	183,522

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), anufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98
All manufacturing industries	521,787	524,003	526,656	-0.4	-0.5	+0.1	524,402	529,821	528,200	536,103	-2.2
Manufacturing industries without defense capital goods	426,783	428,378	429,565	-0.4	-0.3	-0.1	428,260	432,083	429,350	435,145	-1.6
Durable goods industries	497,947	500,610	503,182	-0.5	-0.5	+0.2	500,221	506,344	504,906	510,563	-2.0
Stone, clay, and glass products	6,194	6,177	6,287	+0.3	-1.7	+1.5	6,217	6,247	6,383	6,302	-1.3
Primary metals	30,296	29,855	29,313	+1.5	+1.8	+0.1	31,072	31,092	30,755	34,243	-9.3
Blast furnaces, steel mills	12,033	11,837	11,500	+1.7	+2.9	+1.6	12,533	12,495	12,201	14,701	-14.7
Iron and steel foundries	5,018	5,118	5,102	-2.0	+0.3	-3.4	5,063	5,282	5,309	5,886	-14.0
Nonferrous and other primary metals	13,245	12,900	12,711	+2.7	+1.5	+0.3	13,476	13,315	13,245	13,656	-1.3
Fabricated metal products	25,576	25,769	26,114	-0.7	-1.3	-0.1	25,657	25,862	26,179	27,195	-5.7
Industrial machinery and equipment	79,053	78,848	76,756	+0.3	+2.7	+1.8	79,088	78,976	77,018	73,816	+7.1
Engines and turbines	22,736	22,385	20,432	+1.6	+9.6	+6.9	22,017	21,794	20,182	11,217	+96.3
Construction, mining and material handling equipment	9,420	9,427	9,494	-0.1	-0.7	-2.2	9,698	9,833	9,986	11,574	-16.2
Metalworking machinery	6,829	6,784	6,619	+0.7	+2.5	-1.1	6,829	6,784	6,619	7,379	-7.5
Computer and office equipment	7,906	7,985	8,189	-1.0	-2.5	+3.5	8,138	7,915	7,944	8,061	+1.0
Electronic and other electrical equipment	64,984	64,952	64,243	0.0	+1.1	+2.0	64,936	67,008	62,668	58,412	+11.2
Electrical transmission and distribution equipment and industrial apparatus	6,369	6,351	6,339	+0.3	+0.2	+0.9	6,462	6,467	6,463	6,505	-0.7
Electric lighting and wiring equipment	5,178	5,269	5,177	-1.7	+1.8	+0.4	5,178	5,269	5,177	5,317	-2.6
Communications equipment	17,998	18,003	18,042	0.0	-0.2	+2.0	17,990	17,988	18,042	17,335	+3.8
Electronic components	29,647	29,290	28,556	+1.2	+2.6	+2.8	29,592	31,196	26,765	23,201	+27.5
Transportation equipment	235,382	238,436	244,575	-1.3	-2.5	-0.7	236,053	240,254	246,335	253,445	-6.9
Aircraft, missiles, space vehicles, and parts	197,305	199,727	204,756	-1.2	-2.5	-0.8	198,156	201,443	206,175	219,208	-9.6
Shipbuilding and tanks	20,153	20,483	20,791	-1.6	-1.5	+4.6	20,108	20,470	20,761	17,274	+16.4
Instruments and related products	48,002	47,886	47,271	+0.2	+1.3	-0.3	48,371	48,206	47,329	48,977	-1.2
Search and navigation equipment	26,552	26,663	26,238	-0.4	+1.6	0.0	26,847	27,075	26,578	28,149	-4.6
Measuring and controlling devices	10,407	10,418	10,451	-0.1	-0.3	+0.5	10,407	10,418	10,451	10,312	+0.9
Medical instruments and supplies	10,177	9,899	9,610	+2.8	+3.0	-1.6	10,235	9,800	9,270	9,185	+11.4
All other durable goods	8,460	8,687	8,623	-2.6	+0.7	+2.8	8,827	8,699	8,239	8,173	+8.0
Nondurable goods industries	23,840	23,393	23,474	+1.9	-0.3	-1.7	24,181	23,477	23,294	25,540	-5.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98
All manufacturing industries	463,960	463,194	463,578	+0.2	-0.1	-0.1	467,830	465,450	462,645	469,773	-0.4
lanufacturing industries											
vith unfilled orders	308,764	309,172	309,939	-0.1	-0.2	-0.2	312,503	311,178	308,289	315,984	-1.1
vithout defense capital goods	445,484	444,828	445,045	+0.1	0.0	-0.1	449,105	447,150	444,263	451,131	-0.4
urable goods industries	292,461	292,415	293,391	0.0	-0.3	-0.2	295,586	294,019	292,680	297,637	-0.7
With unfilled orders	268,180	268,271	268,815	0.0	-0.2	-0.4	271,377	269,808	267,338	274,150	-1.0
one, clay, and glass products	9,369	9,237	9,258	+1.4	-0.2	-0.1	9,630	9,443	9,482	9,348	+3.0
imary metals	23,749	23,651	23,734	+0.4	-0.3	-1.8	23,703	23,527	23,596	24,468	-3.1
Blast furnaces, steel mills	11,605	11,574	11,603	+0.3	-0.2	-1.5	11,441	11,321	11,379	11,841	-3.4
Iron and steel foundries	1,619	1,616	1,625	+0.2	-0.6	+0.1	1,666	1,674	1,676	1,603	+3.9
Nonferrous and other primary metals	10,525	10,461	10,506	+0.6	-0.4	-2.5	10,596	10,532	10,541	11,024	-3.9
bricated metal products	31,015	30,887	30,819	+0.4	+0.2	-0.1	31,362	31,201	31,043	30,831	+1.7
lustrial machinery and equipment	60,365	60,483	60,817	-0.2	-0.5	+0.2	61,325	61,050	60,438	62,044	-1.2
Engines and turbines	4,391	4,353	4,235	+0.9	+2.8	+3.0	4,496	4,419	4,134	4,460	+0.8
Farm and garden machinery	3,631	3,644	3,731	-0.4	-2.3	-0.4	3,472	3,629	3,981	3,498	-0.7
Construction, mining and material handling equipment	8,987	9,024	9,080	-0.4	-0.6	-0.2	9,091	9,152	9,166	8,713	+4.3
Metalworking machinery	8,069	8,078	7,995	-0.1	+1.0	+0.7	8,227	8,132	7,824	7,695	+6.9
Computer and office equipment	8,880	8,958	9,178	-0.9	-2.4	+0.2	9,399	9,113	8,712	10,585	-11.2
ctronic and other lectrical equipment	40,746	40,542	40,356	+0.5	+0.5	+0.6	41,648	41,138	39,982	41,986	-0.8
Electrical transmission and distribution equipment and industrial apparatus	5,256	5,301	5,283	-0.8	+0.3	-1.5	5,269	5,326	5,274	5,378	-2.0
Household appliances	2,444	2,402	2,394	+1.7	+0.3	-0.2	2,647	2,560	2,478	2,567	+3.1
Electric lighting and wiring equipment	3,526	3,532	3,499	-0.2	+0.9	+1.2	3,608	3,577	3,440	3,488	+3.4
Household audio and video equipment	972	964	959	+0.8	+0.5	-4.7	961	916	896	915	+5.0
Communications equipment	10,651	10,557	10,591	+0.9	-0.3	+7.7	10,992	10,750	10,426	10,840	+1.4
Electronic components	14,434	14,271	14,020	+1.1	+1.8	-2.5	14,666	14,461	13,868	15,196	-3.5
nsportation equipment	71,846	72,458	73,415	-0.8	-1.3	-0.8	72,050	72,314	73,451	73,869	-2.5
Motor vehicles and parts	17,156	17,082	17,424	+0.4	-2.0	+2.6	17,152	17,100	17,735	16,612	+3.3
Aircraft, missiles, space vehicles, and parts	48,721	49,473	50,191	-1.5	-1.4	-1.7	48,815	49,266	49,861	51,611	-5.4
hipbuilding and tanks	2,150	2,099	2,057	+2.4	+2.0	+9.0	2,184	2,133	2,130	1,703	+28.2
ruments and related products	26,720	26,810	26,706	-0.3	+0.4	-0.2	27,086	27,087	26,453	27,131	-0.2
earch and navigation equipment	6,802	6,825	6,821	-0.3	+0.1	+1.4	6,921	6,927	6,718	6,808	+1.7
Measuring and controlling devices	7,969	7,977	7,950	-0.1	+0.3	-0.5	8,054	8,067	7,929	8,369	-3.8
Medical instruments and supplies	8,707	8,687	8,579	+0.2	+1.3	-0.2	8,803	8,724	8,456	8,574	+2.7
hotographic goods	2,520	2,556	2,592	-1.4	-1.4	-3.7	2,576	2,591	2,581	2,669	-3.5
other durable goods	28,651	28,347	28,286	+1.1	+0.2	+0.3	28,782	28,259	28,235	27,960	+2.9
ndurable goods industries	171,499	170,779	170,187	+0.4	+0.3	0.0	172,244	171,431	169,965	172,136	+0.1
Vith unfilled orders	40,584	40,901	41,124	-0.8	-0.5	+0.8	41,126	41,370	40,951	41,834	-1.7
d and kindred products	38,119	37,978	37,699	+0.4	+0.7	-0.2	36,949	37,354	37,277	36,216	+2.0
leat products	4,207	4,215	4,187	-0.2	+0.7	+0.6	4,327	4,349	4,266	4,195	+3.1
airy products	3,888	3,877	3,908	+0.3	-0.8	-1.5	3,974	3,992	3,894	3,921	+1.4
everages	8,780	8,656	8,506	+1.4	+1.8	-0.6	8,763	8,690	8,538	8,071	+8.6
ll other foods, except fats and oils	19,496	19,455	19,285	+0.2	+0.9	+0.2	18,187	18,556	18,722	18,171	+0.1
acco products	5,326	5,343	5,363	-0.3	-0.4	-2.7	5,054	5,228	5,416	5,537	-8.7
tile mill products	10,050	10,086	10,080	-0.4	+0.1	+0.5	10,357	10,334	10,082	10,586	-2.2
roadwoven fabrics and other textiles	6,200	6,215	6,231	-0.2	-0.3	-0.3	6,346	6,338	6,202	6,548	-3.1
er and allied products	16,020	15,994	16,073	+0.2	-0.5	0.0	16,209	16,188	16,236	16,618	-2.5
ulp, paper, and paperboard mill products	6,522	6,499	6,563	+0.4	-1.0	-0.4	6,555	6,531	6,640	6,645	-1.4
aperboard containers and boxes	3,923	3,924	3,941	0.0	-0.4	-0.1	3,952	3,977	3,989	4,261	-7.3
liscellaneous converted paper products	5,575	5,571	5,569	+0.1	0.0	+0.5	5,702	5,680	5,607	5,712	-0.2
micals and allied products	47,028	46,362	45,918	+1.4	+1.0	-0.8	47,633	46,794	46,170	46,376	+2.7
ndustrial chemicals	19,207	19,116	19,157	+0.5	-0.2	-0.8	19,208	19,099	19,164	20,484	-6.2
rugs, soaps, and toiletries	21,887	21,344	20,898	+2.5	+2.1	-1.3	22,558	21,571	20,663	20,513	+10.0
oleum and coal products	10,715	10,688	10,545	+0.3	+1.4	+5.0	11,054	10,814	10,403	11,498	-3.9
ber and plastics products	17,015	16,794	16,659	+1.3	+0.8	-0.3	17,215	16,996	16,967	16,734	+2.9
other nondurable goods	27,226	27,534	27,850	-1.1	-1.1	+0.4	27,773	27,723	27,414	28,571	-2.8

Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	350,856	347,568	349,065	+0.9	-0.4	+1.6	350,410	343,780	369,208	333,343	+5.1	1,711,980	1,655,605
Market categories :													
Automotive equipment	15,778	15,614	16,217	+1.1	-3.7	+2.7	16,751	16,514	17,844	15,322	+9.3	82,700	74,651
Home goods and apparel	20,108	20,303	19,795	-1.0	+2.6	+0.3	18,966	19,419	20,808	17,686	+7.2	95,729	90,616
Consumer staples	72,580	72,015	72,057	+0.8	-0.1	+1.8	72,041	69,943	73,294	67,904	+6.1	348,651	334,845
Machinery and equipment	68,505	67,513	68,018	+1.5	-0.7	+3.4	67,021	65,074	76,810	61,885	+8.3	328,378	309,269
Business supplies	26,251	25,865	26,229	+1.5	-1.4	+0.8	26,085	26,084	26,580	25,431	+2.6	127,862	125,146
Construction materials and supplies	22,872	22,750	22,685	+0.5	+0.3	+1.1	23,371	22,874	22,881	21,869	+6.9	109,896	104,080
Defense products	6,844	6,737	6,912	+1.6	-2.5	-0.3	6,624	6,418	7,419	6,732	-1.6	33,225	33,592
Other materials, supplies and and intermediate products	117,918	116,771	117,152	+1.0	-0.3	+0.8	119,551	117,454	123,572	116,514	+2.6	585,539	583,406
Durable goods industries :													
Nondefense capital goods [3]	55,863	54,731	54,217	+2.1	+0.9	+2.7	53,118	50,753	62,137	47,843	+11.0	259,034	242,854
Excluding aircraft and parts	46,638	46,016	45,653	+1.4	+0.8	+3.2	44,255	42,119	52,867	40,601	+9.0	217,074	206,804
Defense capital goods [4]	6,666	6,526	6,673	+2.1	-2.2	-0.8	6,454	6,155	7,173	6,373	+1.3	32,030	31,804
Durables excluding capital goods	137,170	135,989	137,402	+0.9	-1.0	+1.8	139,708	137,786	146,170	131,593	+6.2	683,757	650,424
Miscellaneous series :													
Producers' durable equipment	130,459	129,328	130,124	+0.9	-0.6	+2.6	130,129	127,526	144,571	120,628	+7.9	640,467	599,886
Household durable goods	10,485	10,499	10,169	-0.1	+3.2	-1.1	10,022	10,183	11,111	8,738	+14.7	49,943	44,580
Information technology industries	26,888	26,846	25,972	+0.2	+3.4	+2.0	24,530	22,857	31,010	21,978	+11.6	121,737	112,725
Health care equipment and products	13,003	13,029	13,075	-0.2	-0.4	+3.6	12,263	12,340	13,996	10,975	+11.7	62,092	56,700
NEW ORDERS													
All manufacturing industries	348,640	344,915	349,722	+1.1	-1.4	+1.9	344,991	345,401	367,859	327,550	+5.3	1,723,396	1,660,150
Market categories :													
Automotive equipment	15,783	15,584	16,200	+1.3	-3.8	+3.0	16,695	16,441	17,807	15,257	+9.4	82,750	74,564
Home goods and apparel	19,777	20,341	20,022	-2.8	+1.6	+0.4	18,748	19,628	20,986	17,851	+5.0	96,666	90,451
Consumer staples	72,676	72,008	72,156	+0.9	-0.2	+1.9	72,146	69,927	73,404	67,878	+6.3	348,784	334,813
Machinery and equipment	66,429	65,183	66,834	+1.9	-2.5	+1.7	65,158	63,342	74,907	62,575	+4.1	328,488	314,251
Business supplies	26,341	25,889	26,343	+1.7	-1.7	+1.4	26,394	26,237	26,744	25,559	+3.3	128,653	125,618
Construction materials and supplies	22,860	22,767	22,781	+0.4	-0.1	+0.9	23,331	22,910	23,099	21,792	+7.1	110,632	104,845
Defense products	6,194	5,331	8,081	+16.2	-34.0	+40.4	5,034	5,294	9,597	4,457	+12.9	33,531	31,552
Other materials, supplies and and intermediate products	118,580	117,812	117,305	+0.7	+0.4	+0.6	117,485	121,622	121,315	112,181	+4.7	593,892	584,056
Durable goods industries :													
Nondefense capital goods [3]	53,365	52,525	53,299	+1.6	-1.5	+0.1	50,504	48,507	60,457	47,891	+5.5	258,251	246,047
Excluding aircraft and parts	46,378	47,437	47,301	-2.2	+0.3	+3.9	43,879	43,500	53,753	40,473	+8.4	222,553	209,029
Defense capital goods [4]	6,045	5,060	7,769	+19.5	-34.9	+41.3	4,858	5,043	9,359	4,196	+15.8	32,459	30,546
Durables excluding capital goods	137,626	137,089	138,298	+0.4	-0.9	+2.4	137,795	142,582	144,365	128,078	+7.6	694,292	652,718
Miscellaneous series :													
Producers' durable equipment	128,052	126,350	129,074	+1.3	-2.1	+2.6	127,704	124,839	142,168	121,272	+5.3	640,093	604,255
Household durable goods	10,155	10,481	10,446	-3.1	+0.3	+0.2	9,756	10,238	11,209	8,872	+10.0	50,369	44,080
Information technology industries	26,747	26,616	26,538	+0.5	+0.3	+0.8	24,693	22,760	31,499	22,732	+8.6	123,444	115,199
Health care equipment and products	13,281	13,318	12,916	-0.3	+3.1	+2.7	12,699	12,872	13,351	11,059	+14.8	62,744	57,462

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98
UNFILLED ORDERS											
All manufacturing industries	521,787	524,003	526,656	-0.4	-0.5	+0.1	524,402	529,821	528,200	536,103	-2.2
Market categories :											
Automotive equipment	2,483	2,479	2,508	+0.2	-1.2	-0.7	2,454	2,511	2,584	2,398	+2.3
Home goods and apparel	9,020	9,351	9,314	-3.5	+0.4	+2.5	9,249	9,467	9,258	8,392	+10.2
Consumer staples	2,616	2,520	2,527	+3.8	-0.3	+4.1	2,396	2,291	2,306	2,018	+18.7
Machinery and equipment	239,842	241,918	244,248	-0.9	-1.0	-0.5	240,680	242,544	244,276	247,724	-2.8
Business supplies	7,150	7,061	7,036	+1.3	+0.4	+1.6	7,311	7,002	6,850	6,903	+5.9
Construction materials and supplies	17,846	17,858	17,841	-0.1	+0.1	+0.5	17,977	18,017	17,981	18,391	-2.3
Defense products	90,240	90,890	92,296	-0.7	-1.5	+1.3	91,222	92,812	93,936	95,505	-4.5
Other materials, supplies and and intermediate products	152,590	151,926	150,886	+0.4	+0.7	+0.1	153,113	155,177	151,009	154,772	-1.1
Durable goods industries :											
Nondefense capital goods [3]	256,128	258,626	260,832	-1.0	-0.8	-0.4	256,299	258,913	261,159	264,409	-3.1
Excluding aircraft and parts	111,885	112,145	110,724	-0.2	+1.3	+1.5	112,056	112,432	111,051	105,397	+6.3
Defense capital goods [4]	95,004	95,625	97,091	-0.6	-1.5	+1.1	96,142	97,738	98,850	100,958	-4.8
Durables excluding capital goods	146,815	146,359	145,259	+0.3	+0.8	+0.6	147,780	149,693	144,897	145,196	+1.8
Miscellaneous series :											
Producers' durable equipment	278,675	281,082	284,060	-0.9	-1.0	-0.4	279,130	281,555	284,242	287,483	-2.9
Household durable goods	5,581	5,911	5,929	-5.6	-0.3	+4.9	5,587	5,853	5,798	5,283	+5.8
Information technology industries	40,579	40,720	40,950	-0.3	-0.6	+1.4	40,823	40,660	40,757	40,444	+0.9
Health care equipment and products	10,218	9,940	9,651	+2.8	+3.0	-1.6	10,276	9,841	9,309	9,227	+11.4
TOTAL INVENTORIES											
All manufacturing industries	463,960	463,194	463,578	+0.2	-0.1	-0.1	467,830	465,450	462,645	469,773	-0.4
Market categories :											
Automotive equipment	8,673	8,595	8,772	+0.9	-2.0	+3.0	8,828	8,663	8,937	8,508	+3.8
Home goods and apparel	31,321	31,133	31,410	+0.6	-0.9	-0.5	32,268	31,395	31,193	32,296	-0.1
Consumer staples	74,682	74,088	73,313	+0.8	+1.1	0.0	74,362	73,810	72,630	72,377	+2.7
Machinery and equipment	117,079	117,710	118,433	-0.5	-0.6	+0.2	118,676	118,677	117,839	120,923	-1.9
Business supplies	28,231	28,364	28,261	-0.5	+0.4	+1.1	28,433	28,660	28,190	28,227	+0.7
Construction materials and supplies	29,096	28,802	28,755	+1.0	+0.2	0.0	29,400	29,025	29,007	28,725	+2.3
Defense products	18,154	18,016	18,168	+0.8	-0.8	-1.1	18,397	17,958	18,019	18,312	+0.5
Other materials, supplies and and intermediate products	156,724	156,486	156,466	+0.2	0.0	-0.7	157,466	157,262	156,830	160,405	-1.8
Durable goods industries :											
Nondefense capital goods [3]	108,931	109,749	110,417	-0.7	-0.6	+0.1	110,488	110,601	109,409	113,190	-2.4
Excluding aircraft and parts	72,162	72,166	72,277	0.0	-0.2	+0.8	73,827	73,137	71,461	73,884	-0.1
Defense capital goods [4]	18,476	18,366	18,533	+0.6	-0.9	-1.3	18,725	18,300	18,382	18,642	+0.4
Durables excluding capital goods	165,054	164,300	164,441	+0.5	-0.1	-0.3	166,373	165,118	164,889	165,805	+0.3
Miscellaneous series :											
Producers' durable equipment	189,566	189,822	190,873	-0.1	-0.6	+0.2	191,892	191,178	190,251	193,644	-0.9
Household durable goods	16,353	16,165	16,234	+1.2	-0.4	-0.3	16,719	16,219	16,127	16,183	+3.3
Information technology industries	32,691	32,734	32,942	-0.1	-0.6	+2.1	33,776	33,312	32,279	34,962	-3.4
Health care equipment and products	20,546	20,238	19,892	+1.5	+1.7	-0.8	21,001	20,396	19,645	19,690	+6.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1999[p]	Apr. 1999[r]	Mar. 1999	May 1998	May 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	152,442	152,749	153,388	-0.2	-0.4	-0.4	151,686	152,364	152,705	154,112	-1.6
Durable goods industries	91,463	91,722	92,298	-0.3	-0.6	-0.1	90,846	91,047	91,271	92,159	-1.4
Stone, clay, and glass products	3,201	3,186	3,194	+0.5	-0.3	+1.8	3,189	3,157	3,163	2,956	+7.9
Primary metals	7,350	7,456	7,578	-1.4	-1.6	-0.2	7,128	7,199	7,307	7,686	-7.3
Fabricated metal products	10,273	10,319	10,412	-0.4	-0.9	-0.2	10,143	10,252	10,381	10,412	-2.6
Industrial machinery and equipment	19,966	20,235	20,304	-1.3	-0.3	+1.6	20,119	20,251	20,070	20,157	-0.2
Electronic and other electrical equipment	15,524	15,503	15,607	+0.1	-0.7	-0.2	15,574	15,553	15,423	15,774	-1.3
Transportation equipment	15,287	15,068	15,041	+1.5	+0.2	-3.3	15,198	15,013	15,065	15,217	-0.1
Instruments and related products	8,914	9,045	9,178	-1.4	-1.4	+0.5	8,990	9,135	9,142	9,465	-5.0
Lumber, furniture and miscellaneous durable goods	10,948	10,910	10,984	+0.3	-0.7	+0.1	10,505	10,487	10,720	10,492	+0.1
Nondurable goods industries	60,979	61,027	61,090	-0.1	-0.1	-0.7	60,840	61,317	61,434	61,953	-1.8
Food and kindred products	11,584	11,556	11,392	+0.2	+1.4	+0.7	11,434	11,642	11,508	11,046	+3.5
Tobacco products	4,675	4,701	4,711	-0.6	-0.2	-2.0	4,529	4,701	4,827	4,875	-7.1
Textile mill products	2,859	2,823	2,845	+1.3	-0.8	-0.8	2,944	2,869	2,883	3,092	-4.8
Paper and allied products	7,666	7,706	7,762	-0.5	-0.7	-0.1	7,651	7,762	7,807	7,981	-4.1
Chemicals and allied products	15,702	15,634	15,516	+0.4	+0.8	-0.9	15,759	15,649	15,488	15,187	+3.8
Petroleum and coal products	3,161	3,169	3,195	-0.3	-0.8	+2.6	3,223	3,244	3,267	3,439	-6.3
Rubber and plastics products	6,736	6,766	6,761	-0.4	+0.1	-1.0	6,719	6,796	6,774	6,724	-0.1
Apparel, printing and publishing and leather goods	8,596	8,672	8,908	-0.9	-2.6	-2.5	8,581	8,654	8,880	9,609	-10.7
WORK IN PROCESS											
All manufacturing industries	148,087	148,176	148,395	-0.1	-0.1	-0.2	149,059	148,370	147,292	151,984	-1.9
Durable goods industries	117,429	117,829	118,609	-0.3	-0.7	-0.5	118,457	118,060	118,080	122,388	-3.2
Stone, clay, and glass products	1,404	1,361	1,321	+3.2	+3.0	-1.7	1,462	1,414	1,404	1,355	+7.9
Primary metals	8,292	8,165	8,228	+1.6	-0.8	-2.3	8,322	8,188	8,278	8,666	-4.0
Fabricated metal products	8,973	8,971	9,005	0.0	-0.4	-0.6	9,031	8,955	8,977	9,086	-0.6
Industrial machinery and equipment	22,084	22,136	22,196	-0.2	-0.3	-2.0	22,416	22,220	21,876	23,264	-3.6
Electronic and other electrical equipment	14,440	14,186	13,868	+1.8	+2.3	+1.0	14,739	14,350	13,731	14,911	-1.2
Transportation equipment	46,720	47,628	48,781	-1.9	-2.4	0.0	46,786	47,416	48,669	49,627	-5.7
Instruments and related products	10,035	9,971	9,931	+0.6	+0.4	-0.7	10,160	10,083	9,867	10,124	+0.4
Lumber, furniture and miscellaneous durable goods	5,481	5,411	5,279	+1.3	+2.5	+0.5	5,541	5,434	5,278	5,355	+3.5
Nondurable goods industries	30,658	30,347	29,786	+1.0	+1.9	+1.1	30,602	30,310	29,212	29,596	+3.4
Food and kindred products	6,122	6,134	6,168	-0.2	-0.6	+0.3	5,647	5,867	6,000	5,273	+7.1
Tobacco products	82	83	92	-1.2	-9.8	-1.1	74	76	92	111	-33.3
Textile mill products	2,518	2,511	2,526	+0.3	-0.6	+0.3	2,537	2,530	2,509	2,664	-4.8
Paper and allied products	1,640	1,634	1,650	+0.4	-1.0	0.0	1,664	1,657	1,675	1,662	+0.1
Chemicals and allied products	9,559	9,066	8,728	+5.4	+3.9	-0.4	9,812	9,099	8,536	8,850	+10.9
Petroleum and coal products	2,623	2,571	2,452	+2.0	+4.9	+9.4	2,717	2,628	2,434	2,734	-0.6
Rubber and plastics products	2,259	2,308	2,275	-2.1	+1.5	+2.2	2,241	2,306	2,293	2,165	+3.5
Apparel, printing and publishing and leather goods	5,855	6,040	5,895	-3.1	+2.5	+1.3	5,910	6,147	5,673	6,137	-3.7
FINISHED GOODS											
All manufacturing industries	163,431	162,269	161,795	+0.7	+0.3	+0.2	167,085	164,716	162,648	163,677	+2.1
Durable goods industries	83,569	82,864	82,484	+0.9	+0.5	+0.2	86,283	84,912	83,329	83,090	+3.8
Stone, clay, and glass products	4,764	4,690	4,743	+1.6	-1.1	-0.8	4,979	4,872	4,915	5,037	-1.2
Primary metals	8,107	8,030	7,928	+1.0	+1.3	-2.8	8,253	8,140	8,011	8,116	+1.7
Fabricated metal products	11,769	11,597	11,402	+1.5	+1.7	+0.4	12,188	11,994	11,685	11,333	+7.5
Industrial machinery and equipment	18,315	18,112	18,317	+1.1	-1.1	+1.6	18,790	18,579	18,492	18,623	+0.9
Electronic and other electrical equipment	10,782	10,853	10,881	-0.7	-0.3	+1.1	11,335	11,235	10,828	11,301	+0.3
Transportation equipment	9,839	9,762	9,593	+0.8	+1.8	-0.5	10,066	9,885	9,717	9,025	+11.5
Instruments and related products	7,771	7,794	7,597	-0.3	+2.6	-0.4	7,936	7,869	7,444	7,542	+5.2
Lumber, furniture and miscellaneous durable goods	12,222	12,026	12,023	+1.6	0.0	+0.4	12,736	12,338	12,237	12,113	+5.1
Nondurable goods industries	79,862	79,405	79,311	+0.6	+0.1	+0.1	80,802	79,804	79,319	80,587	+0.3
Food and kindred products	20,413	20,288	20,139	+0.6	+0.7	-0.8	19,868	19,845	19,769	19,897	-0.1
Tobacco products	569	559	560	+1.8	-0.2	-8.3	451	451	497	551	-18.1
Textile mill products	4,673	4,752	4,709	-1.7	+0.9	+1.5	4,876	4,935	4,690	4,830	+1.0
Paper and allied products	6,714	6,654	6,661	+0.9	-0.1	+0.1	6,894	6,769	6,754	6,975	-1.2
Chemicals and allied products	21,767	21,662	21,674	+0.5	-0.1	-0.9	22,062	22,046	22,146	22,339	-1.2
Petroleum and coal products	4,931	4,948	4,898	-0.3	+1.0	+4.6	5,114	4,942	4,702	5,325	-4.0
Rubber and plastics products	8,020	7,720	7,623	+3.9	+1.3	-0.4	8,255	7,894	7,900	7,845	+5.2
Apparel, printing and publishing and leather goods	12,775	12,822	13,047	-0.4	-1.7	+2.0	13,282	12,922	12,861	12,825	+3.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1999[p]	Apr. 1999[r]	Mar. 1999	Feb. 1999	May 1999[p]	Apr. 1999[r]	Mar. 1999	Feb. 1999
All manufacturing industries	1.32	1.33	1.33	1.35	2.59	2.63	2.64	2.67
Durable goods industries	1.46	1.48	1.48	1.51	3.03	3.08	3.10	3.15
Stone, clay, and glass products	1.12	1.10	1.09	1.10	0.77	0.77	0.78	0.77
Primary metals	1.64	1.66	1.64	1.70	2.09	2.10	2.02	2.06
Fabricated metal products	1.52	1.51	1.51	1.51	1.33	1.34	1.36	1.36
Industrial machinery and equipment	1.60	1.61	1.64	1.65	2.20	2.22	2.19	2.17
Electronic and other electrical equipment	1.20	1.20	1.22	1.25	1.92	1.93	1.94	1.95
Transportation equipment	1.48	1.52	1.49	1.56	8.66	8.98	9.07	9.51
Instruments and related products	1.86	1.89	1.84	1.90	3.34	3.37	3.25	3.38
Nondurable goods industries	1.13	1.14	1.13	1.14	0.64	0.63	0.64	0.64
Food and kindred products	0.92	0.93	0.90	0.91	(X)	(X)	(X)	(X)
Tobacco products	1.31	1.31	1.29	1.35	(X)	(X)	(X)	(X)
Textile mill products	1.54	1.54	1.58	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.19	1.19	1.20	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.41	1.38	1.37	1.39	(X)	(X)	(X)	(X)
Petroleum and coal products	0.83	0.82	0.85	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.25	1.25	1.22	1.22	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1999	May[2] 1994-1998	May 1998-Apr. 1999	May[1] 1999	May[2] 1994-1998	May 1998-Apr. 1999	May[1] 1999	May[2] 1994-1998	May 1998-Apr. 1999	May[1] 1999	May[2] 1994-1998	May 1998-Apr. 1999
All manufacturing industries	(X)	0.1	0.2	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.2	0.1	0.2	-0.2	0.4	0.4	-0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.7	0.4	(X)	1.4	0.6	(X)	0.7	0.4	(X)	0.1	0.1
Primary metals	0.2	0.2	0.2	0.6	0.7	0.7	0.3	0.3	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.3	0.3	(X)	0.6	0.4	(X)	0.4	0.3	(X)	0.2	0.1
Industrial machinery and equipment	-0.2	0.4	0.3	-1.4	0.7	0.2	-0.6	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.3	0.3	0.5	0.3	0.5	1.3	-0.2	0.2	0.6	(X)	0.1	0.2
Transportation equipment	0.9	0.6	0.7	0.0	1.5	1.0	-0.2	0.1	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.3	0.5	(X)	1.5	1.4	(X)	0.4	0.4	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.4	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7
Rubber and plastics products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Capital goods industries :												
Nondefense	0.8	0.3	0.3	-1.2	0.5	0.5	-0.4	0.1	0.1	(X)	0.0	0.1
Defense	-0.5	0.4	0.4	1.9	2.5	3.4	0.2	0.2	0.2	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

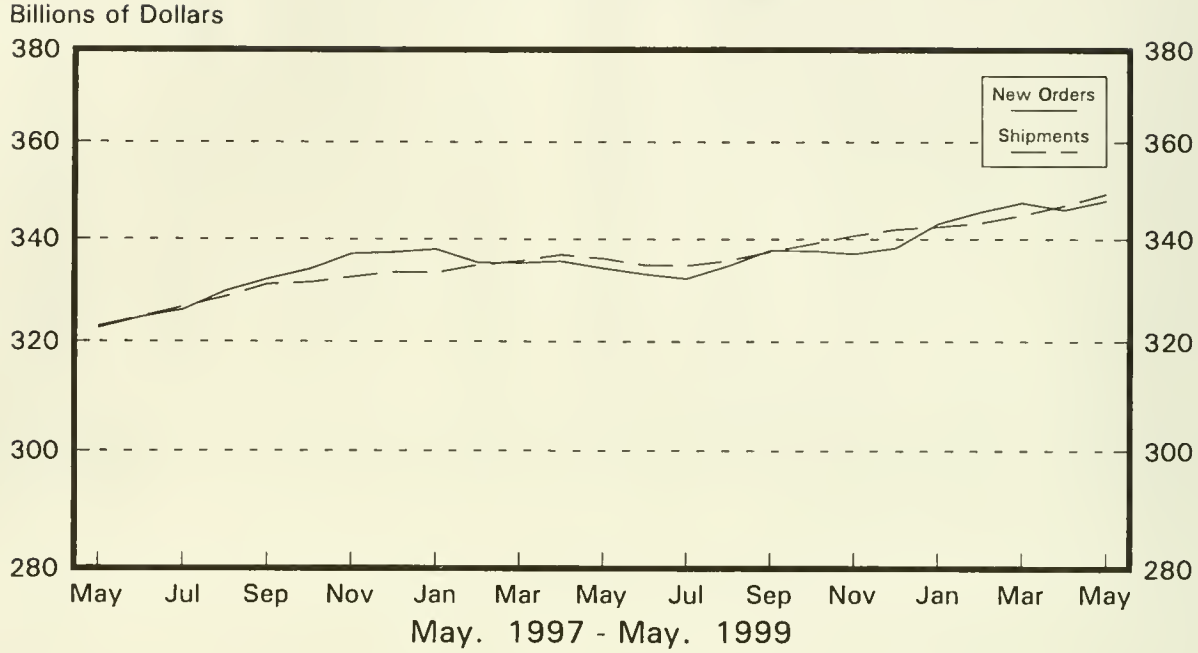
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

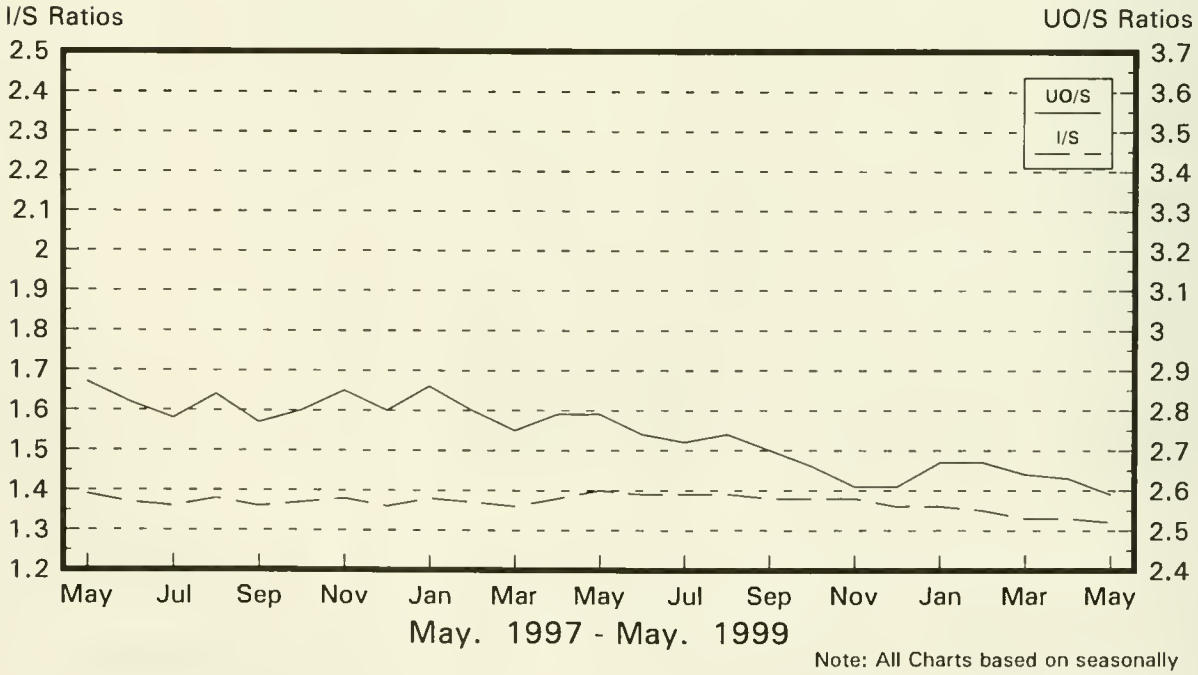
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

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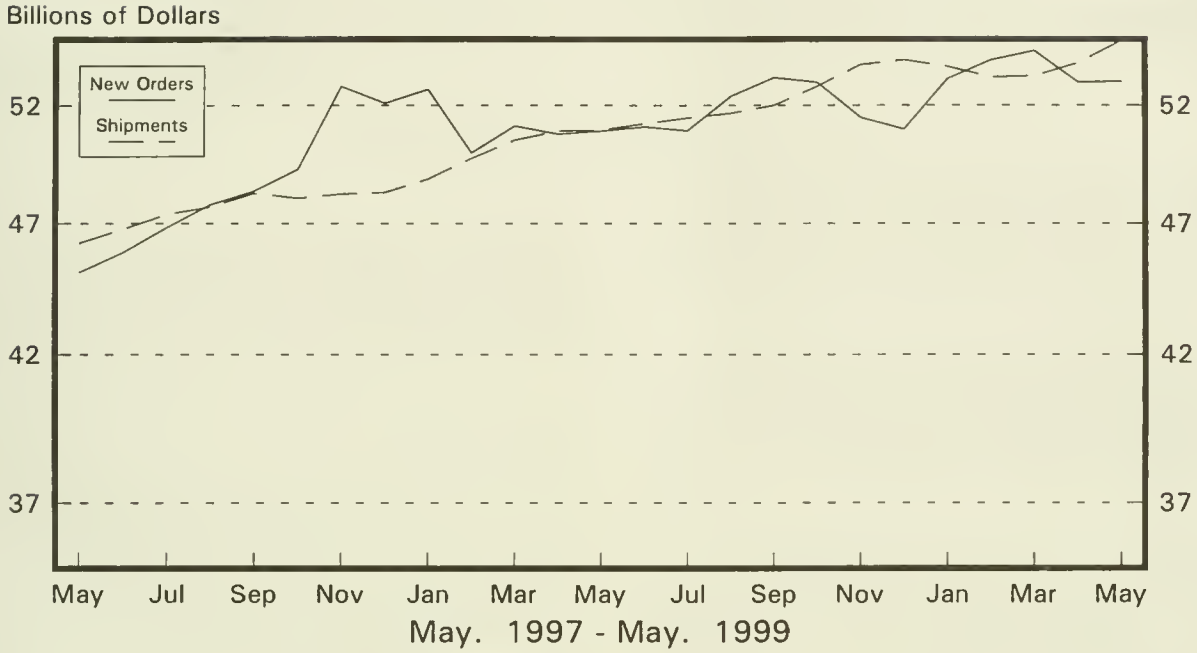
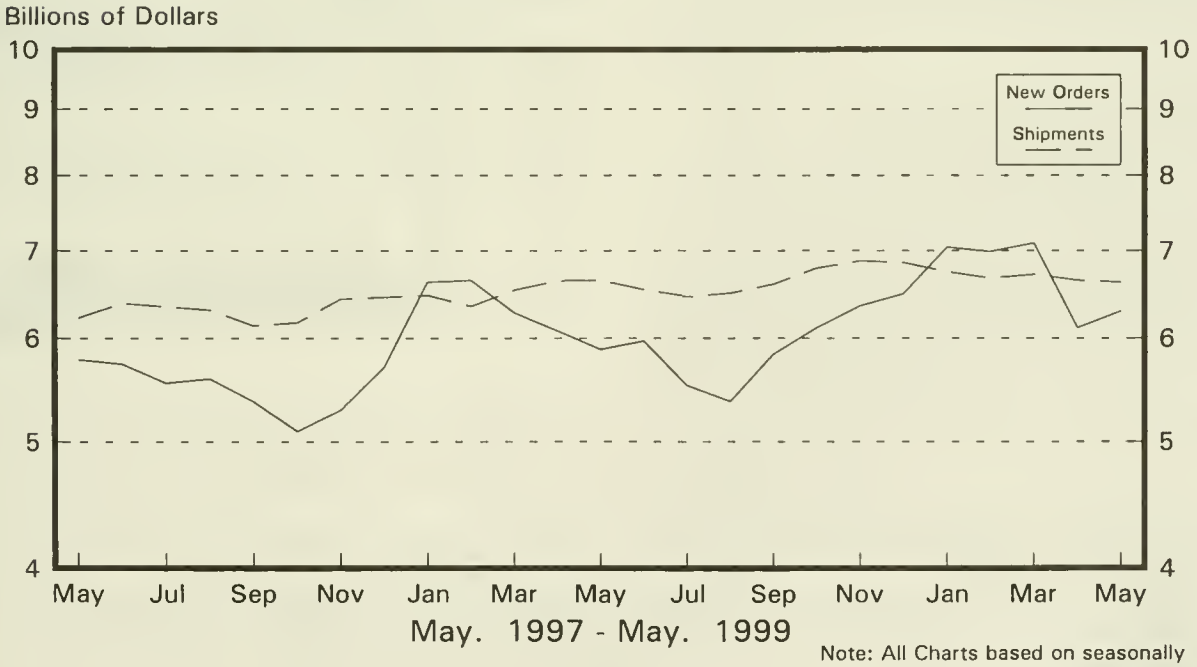
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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For Questions - Lee Wentela or Derrick Roy
(301) 457-4804 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in June increased $2.5 billion or 0.7 percent to $350.7 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.0 percent May increase and is the tenth increase in the last thirteen months. Excluding transportation, new orders increased 0.5 percent, the fourth increase in the last five months. Year-to-date, new orders are 4.1 percent above the same period a year ago; new orders for the second quarter are 0.2 percent above the first quarter.

Shipments increased $3.7 billion or 1.0 percent to $354.3 billion, following a 0.9 percent May increase. This is the tenth increase in the last thirteen months. Year-to-date, shipments are 3.8 percent above the same period a year ago; shipments for the second quarter are 1.7 percent above the first quarter.

Unfilled orders decreased $3.5 billion or 0.7 percent to $518.1 billion, following a 0.5 percent May decrease. This is the eleventh decrease in the last fourteen months. The unfilled orders-to-shipments ratio was 2.58, down from 2.59 in May.

Inventories, down seven of the last eight months, decreased $0.4 billion or 0.1 percent to $463.3 billion. The inventories-to-shipments ratio was 1.31, down from 1.32 in May.

New Orders

New orders for manufactured durable goods in June increased $0.7 billion or 0.4 percent to $197.3 billion, revised from the previously published 0.3 percent increase. This follows a 1.0 percent May increase and is the tenth increase in the last thirteen months.

Transportation equipment had the largest increase, $1.1 billion or 2.3 percent to $46.8 billion; an increase in motor vehicles and parts more than offset a decrease in aircraft and parts. This follows a 9.9 percent May increase and is the sixth increase in the last eight months. Electronic and other electrical equipment increased $0.8 billion or 2.4 percent to $34.9 billion, following a 0.9 percent May decrease. Industrial machinery and equipment decreased $1.9 billion or 5.1 percent to $35.9 billion, following a 4.5 percent May decrease.

New orders for nondurable goods, up four of the last five months, increased $1.8 billion or 1.2 percent to $153.4 billion. This follows a 0.9 percent May increase. Chemicals and allied products and food and kindred products had the largest increases.

Shipments

Shipments of durable goods in June increased $1.7 billion or 0.9 percent to $201.2 billion, unrevised from the previously published 0.9 percent increase. This is the eleventh increase in the last thirteen months.

Transportation equipment had the largest increase, $1.2 billion or 2.6 percent to $50.1 billion; an increase in motor vehicles and parts more than offset a decrease in aircraft and parts. This follows a 2.4 percent May increase and is the fourth increase in the last five months. Electronic and other electrical equipment, up ten of the last thirteen months, increased $0.3 billion or 0.8 percent to $34.1 billion. This follows a 0.5 percent May increase. Industrial machinery and equipment, down for the first month since January, decreased $0.5 billion or 1.3 percent to $37.0 billion, following a 0.1 percent May increase.

Shipments of nondurable goods increased $1.9 billion or 1.3 percent to $153.1 billion. This follows a 0.6 percent May increase and is the fourth increase in the last five months. Chemicals and allied products, up four of the last five months, increased $0.8 billion or 2.3 percent to $34.3 billion. Food and kindred products, up nine of the last eleven months, increased $0.5 billion or 1.3 percent to $42.0 billion. This follows a 1.9 percent May increase.

Unfilled Orders

Unfilled orders for durable goods in June decreased $3.9 billion or 0.8 percent to $493.9 billion, unrevised from the previously published 0.8 percent decrease. This follows a 0.6 percent May decrease and is the third consecutive decline.

Transportation equipment, down twelve of the last fourteen months, had the largest decrease, $3.4 billion or 1.4 percent to $231.9 billion. This follows a 1.3 percent May decrease. Industrial machinery and equipment, down for the first month since November 1998, decreased $1.2 billion or 1.5 percent to $77.9 billion. This follows a 0.3 percent May increase. Electronic and other electrical equipment, up seven consecutive months, increased $0.7 billion or 1.1 percent to $65.9 billion. This follows a 0.4 percent May increase. Primary metals, up five consecutive months, increased $0.2 billion or 0.6 percent to $30.3 billion. This follows a 1.0 percent May increase.

Inventories

Inventories of durable goods in June decreased $0.6 billion or 0.2 percent to $291.9 billion. This follows a slight May decrease and is the seventh decrease in the last eight months.

Transportation equipment had the largest decrease, $0.4 billion or 0.5 percent to $71.4 billion. This follows a 0.9 percent May decrease and is the seventh decrease in the last eight months. Instruments and related products decreased $0.2 billion or 0.8 percent to $26.4 billion, following a 0.6 percent May decrease. Electronic and other electrical equipment increased $0.3 billion or 0.6 percent to $41.1 billion. This follows a 0.7 percent May increase and is the fifth consecutive increase.

Inventories of nondurable goods, up four consecutive months, increased $0.1 billion or 0.1 percent to $171.5 billion, following a 0.3 percent May increase.

By stage of fabrication, June finished goods increased 0.5 percent in durables and 0.2 percent in nondurables. Work in process decreased 1.0 percent in durables and increased 0.6 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.3 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for July is scheduled for August 25, 1999 at 8:30 a.m. and the full report on September 2, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999[p]	May 1999[r]	Apr 1999	May-June	Apr.-May	Mar.-Apr	June 1999[p]	May 1999[r]	Apr 1999	June 1998	June 99/98	1999[p]	1998
All manufacturing industries	354,284	350,624	347,568	+1.0	+0.9	-0.4	379,596	349,625	343,780	358,824	+5.8	2,090,791	2,014,429
Manufacturing Industries													
with unfilled orders	201,029	201,211	199,287	-0.1	+1.0	0.0	218,696	197,615	193,518	210,897	+3.7	1,191,154	1,152,221
without defense capital goods	347,946	343,955	341,042	+1.2	+0.9	-0.4	372,793	343,142	337,625	351,943	+5.9	2,051,929	1,975,744
Durable goods industries	201,169	199,425	197,246	+0.9	+1.1	-0.5	219,513	198,773	194,694	204,742	+7.2	1,193,827	1,129,824
With unfilled orders	163,882	164,045	162,442	-0.1	+1.0	0.0	180,504	161,459	157,582	172,345	+4.7	973,166	930,463
Stone, clay, and glass products	8,588	8,431	8,376	+1.9	+0.7	-1.4	9,302	8,629	8,575	8,712	+6.8	50,004	46,709
Primary metals	14,672	14,526	14,225	+1.0	+2.1	-1.9	15,512	14,894	14,731	15,842	-2.1	88,600	95,184
Blast furnaces, steel mills	5,617	5,626	5,509	-0.2	+2.1	-2.3	5,941	5,780	5,693	6,425	-7.5	34,331	39,176
Iron and steel foundries	1,536	1,504	1,495	+2.1	+0.6	-3.4	1,637	1,581	1,580	1,552	+5.5	9,437	9,371
Nonferrous and other primary metals	7,519	7,396	7,221	+1.7	+2.4	-1.4	7,934	7,533	7,458	7,865	+0.9	44,832	46,637
Fabricated metal products	20,563	20,411	20,416	+0.7	0.0	0.0	21,785	20,751	20,541	20,951	+4.0	123,493	118,733
Industrial machinery and equipment	37,036	37,519	37,464	-1.3	+0.1	+1.3	43,790	36,517	35,872	44,856	-2.4	225,825	225,240
Engines and turbines	2,457	2,498	2,405	-1.6	+3.9	+5.3	2,906	2,510	2,263	2,829	+2.7	14,469	13,569
Farm and garden machinery	1,764	1,807	1,908	-2.4	-5.3	-4.7	1,805	2,149	2,688	2,224	-18.8	13,407	14,686
Construction, mining and material handling equipment	3,902	3,814	3,939	+2.3	-3.2	-4.8	4,352	3,833	4,051	4,996	-12.9	24,429	26,192
Metalworking machinery	3,493	3,663	3,444	-4.6	+6.4	-0.6	3,848	3,631	3,157	3,836	+0.3	20,409	20,113
Computer and office equipment	11,048	11,536	11,769	-4.2	-2.0	+6.2	14,860	10,002	9,285	15,262	-2.6	66,450	63,106
Electronic and other electrical equipment	34,123	33,836	33,655	+0.8	+0.5	+1.9	37,498	32,345	30,994	33,909	+10.6	195,345	178,555
Electrical transmission and distribution equipment and industrial apparatus	3,696	3,817	3,730	-3.2	+2.3	-1.3	4,067	3,735	3,694	3,986	+2.0	22,504	21,913
Household appliances	2,347	2,343	2,402	+0.2	-2.5	+2.7	2,735	2,341	2,399	2,467	+10.9	14,219	12,412
Electric lighting and wiring equipment	2,502	2,378	2,280	+5.2	+4.3	-1.5	2,600	2,343	2,176	2,243	+15.9	13,893	13,249
Household audio and video equipment	1,067	1,092	1,083	-2.3	+0.8	+5.0	990	946	911	957	+3.4	5,720	5,502
Communications equipment	8,664	8,374	8,240	+3.5	+1.6	+2.4	10,372	7,669	7,030	8,593	+20.7	47,289	40,077
Electronic components	13,555	13,527	13,645	+0.2	-0.9	+3.6	14,368	13,028	12,724	13,520	+6.3	78,757	73,183
Transportation equipment	50,140	48,891	47,755	+2.6	+2.4	-3.1	52,252	50,363	49,661	43,265	+20.8	299,234	266,585
Motor vehicles and parts	35,024	32,717	32,209	+7.1	+1.6	-3.2	36,079	34,588	34,451	27,659	+30.4	207,451	183,323
Aircraft, missiles, space vehicles, and parts	11,361	12,741	12,248	-10.8	+4.0	+1.2	12,077	12,353	11,925	11,866	+1.8	71,222	64,896
Shipbuilding and tanks	1,017	999	947	+1.8	+5.5	-12.6	1,115	979	939	1,077	+3.5	5,818	5,459
Instruments and related products	14,556	14,309	14,210	+1.7	+0.7	-2.4	16,086	13,940	13,463	15,641	+2.8	85,385	83,647
Search and navigation equipment	3,196	3,200	3,109	-0.1	+2.9	-2.1	3,464	3,062	2,966	3,321	+4.3	18,777	17,969
Measuring and controlling devices	4,133	4,077	4,081	+1.4	-0.1	-0.3	4,459	4,059	3,859	4,350	+2.5	24,610	24,698
Medical instruments and supplies	4,881	4,761	4,711	+2.5	+1.1	-5.1	5,456	4,551	4,382	5,179	+5.3	28,485	26,746
Photographic goods	1,865	1,780	1,818	+4.8	-2.1	-0.8	2,176	1,766	1,754	2,274	-4.3	10,589	11,488
All other durable goods	21,491	21,502	21,145	-0.1	+1.7	+0.4	23,288	21,334	20,857	21,566	+8.0	125,941	115,171
Nondurable goods industries	153,115	151,199	150,322	+1.3	+0.6	-0.3	160,083	150,852	149,086	154,082	+3.9	896,964	884,605
With unfilled orders	37,147	37,166	36,845	-0.1	+0.9	-0.1	38,192	36,156	35,936	38,552	-0.9	217,988	221,758
Food and kindred products	42,033	41,494	40,733	+1.3	+1.9	-2.2	43,127	41,560	39,627	41,619	+3.6	246,013	240,422
Meat products	9,039	8,700	8,598	+3.9	+1.2	+0.1	9,333	8,866	8,406	8,954	+4.2	51,601	51,721
Dairy products	6,476	6,413	6,096	+1.0	+5.2	-8.6	6,632	6,447	5,802	6,417	+3.4	38,708	35,874
Beverages	6,303	6,260	6,320	+0.7	-0.9	+0.9	7,152	6,675	6,358	6,940	+3.1	37,422	36,193
All other foods, except fats and oils	18,393	18,317	17,897	+0.4	+2.3	-1.6	18,188	17,768	17,239	17,267	+5.3	106,997	104,061
Tobacco products	4,216	4,063	4,071	+3.8	-0.2	-1.9	4,501	4,072	3,840	3,677	+22.4	24,793	20,218
Textile mill products	6,425	6,533	6,561	-1.7	-0.4	+3.1	6,994	6,610	6,311	7,255	-3.6	38,686	40,969
Broadwoven fabrics and other textiles	3,732	3,761	3,783	-0.8	-0.6	+4.6	4,026	3,829	3,670	4,340	-7.2	22,652	25,294
Paper and allied products	13,420	13,394	13,387	+0.2	+0.1	-0.1	14,041	13,258	13,138	14,452	-2.8	80,612	83,544
Pulp, paper, and paperboard mill products	5,011	5,043	5,065	-0.6	-0.4	-0.7	5,165	4,942	4,980	5,473	-5.6	30,494	32,533
Paperboard containers and boxes	3,320	3,268	3,288	+1.6	-0.6	+0.6	3,440	3,297	3,296	3,774	-8.9	19,993	21,778
Miscellaneous converted paper products	5,089	5,083	5,034	+0.1	+1.0	0.0	5,436	5,019	4,862	5,205	+4.4	30,125	29,233
Chemicals and allied products	34,347	33,580	33,575	+2.3	0.0	0.0	36,865	33,721	34,533	34,935	+5.5	203,976	199,163
Industrial chemicals	15,007	14,657	14,451	+2.4	+1.4	-0.9	16,069	14,787	14,766	15,943	+0.8	89,784	93,207
Drugs, soaps, and toiletries	15,418	15,100	15,345	+2.1	-1.6	+2.7	16,272	14,050	14,658	14,574	+11.7	88,042	79,161
Petroleum and coal products	13,439	13,045	13,042	+3.0	0.0	+5.3	14,363	13,758	13,221	12,965	+10.8	72,732	74,425
Rubber and plastics products	13,709	13,484	13,442	+1.7	+0.3	-1.9	14,600	13,865	13,910	13,817	+5.7	82,893	80,189
All other nondurable goods	25,526	25,606	25,511	-0.3	+0.4	-0.1	25,592	24,008	24,506	25,362	+0.9	147,259	145,675

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999[p]	May 1999[r]	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999[p]	May 1999[r]	Apr. 1999	June 1998	June 99/98	1999[p]	1998
All manufacturing industries	350,738	348,259	344,915	+0.7	+1.0	-1.4	370,733	344,067	345,401	349,890	+6.0	2,093,205	2,010,040
Manufacturing industries with unfilled orders	197,483	198,846	196,634	-0.7	+1.1	-1.7	209,833	192,057	195,139	201,963	+3.9	1,193,568	1,147,832
without defense capital goods	345,197	342,240	339,855	+0.9	+0.7	-0.6	365,496	339,113	340,358	344,301	+6.2	2,055,413	1,973,905
Durable goods industries	197,317	196,609	194,674	+0.4	+1.0	-2.4	210,030	192,553	196,132	196,102	+7.1	1,194,428	1,125,413
With unfilled orders	160,030	161,229	159,870	-0.7	+0.9	-2.3	171,021	155,239	159,020	163,705	+4.5	973,767	926,052
Stone, clay, and glass products	8,516	8,388	8,266	+1.5	+1.5	-3.7	9,210	8,566	8,439	8,859	+4.0	50,025	46,982
Primary metals	14,867	14,811	14,767	+0.4	+0.3	+1.6	15,062	14,691	15,068	14,514	+3.8	90,192	93,761
Blast furnaces, steel mills	5,902	5,862	5,846	+0.7	+0.3	+0.5	5,834	5,825	5,987	5,682	+2.7	35,729	38,776
Iron and steel foundries	1,405	1,360	1,511	+3.3	-10.0	+10.5	1,431	1,332	1,553	1,333	+7.4	8,912	9,562
Nonferrous and other primary metals	7,560	7,589	7,410	-0.4	+2.4	+0.7	7,797	7,534	7,528	7,499	+4.0	45,551	45,423
Fabricated metal products	20,508	20,210	20,071	+1.5	+0.7	-1.6	21,705	20,566	20,224	20,951	+3.6	123,656	119,578
Industrial machinery and equipment	35,870	37,780	39,556	-5.1	-4.5	+3.2	41,762	36,763	37,830	43,007	-2.9	228,578	223,782
Engines and turbines	1,938	2,816	4,358	-31.2	-35.4	+20.9	2,387	2,733	3,875	2,524	-5.4	17,242	11,947
Construction, mining and material handling equipment	3,635	3,723	3,872	-2.4	-3.8	-1.4	3,871	3,627	3,898	4,794	-19.3	23,942	27,198
Metalworking machinery	3,379	3,682	3,609	-8.2	+2.0	+6.4	3,734	3,650	3,322	3,729	+0.1	20,652	20,236
Computer and office equipment	11,069	11,619	11,565	-4.7	+0.5	+1.8	14,669	10,414	9,256	15,123	-3.0	66,645	63,396
Electronic and other electrical equipment	34,869	34,067	34,364	+2.4	-0.9	+0.3	35,672	30,303	35,334	30,788	+15.9	200,679	180,540
Electrical transmission and distribution equipment and industrial apparatus	3,709	3,872	3,742	-4.2	+3.5	-2.5	3,985	3,769	3,698	3,946	+1.0	22,742	21,860
Electric lighting and wiring equipment	2,586	2,231	2,372	+15.9	-5.9	+1.6	2,684	2,196	2,268	2,163	+24.1	14,077	13,559
Communications equipment	8,910	8,372	8,201	+6.4	+2.1	-2.5	10,595	7,674	6,976	8,617	+23.0	48,448	43,105
Electronic components	13,886	14,101	14,379	-1.5	-1.9	+3.0	12,301	11,459	17,155	10,597	+16.1	82,662	71,921
Transportation equipment	46,782	45,728	41,616	+2.3	+9.9	-12.5	48,163	46,165	43,580	41,140	+17.1	288,617	263,388
Aircraft, missiles, space vehicles, and parts	9,131	10,377	7,219	-12.0	+43.7	-30.4	9,136	9,237	7,193	9,059	+0.8	62,600	63,177
Shipbuilding and tanks	613	579	639	+5.9	-9.4	-67.9	808	548	648	1,835	-56.0	6,228	5,061
Instruments and related products	14,352	14,370	14,825	-0.1	-3.1	+2.9	15,385	14,055	14,340	15,244	+0.9	85,820	82,098
Search and navigation equipment	3,130	3,107	3,534	+0.7	-12.1	+10.9	3,363	2,835	3,463	3,481	-3.4	19,096	17,035
Measuring and controlling devices	4,086	4,031	4,048	+1.4	-0.4	-2.3	4,412	4,013	3,826	4,162	+6.0	24,750	23,969
Medical instruments and supplies	4,817	5,006	5,000	-3.8	+0.1	+4.1	4,932	4,970	4,912	4,879	+1.1	28,594	27,207
other durable goods	21,553	21,255	21,209	+1.4	+0.2	-0.4	23,071	21,444	21,317	21,599	+6.8	126,861	115,284
Nondurable goods industries	153,421	151,650	150,241	+1.2	+0.9	-0.1	160,703	151,514	149,269	153,788	+4.5	898,777	884,627
With unfilled orders	37,453	37,617	36,764	-0.4	+2.3	+0.8	38,812	36,818	36,119	38,258	+1.4	219,801	221,780

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), anufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1999[p]	May 1999[r]	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999[p]	May 1999[r]	Apr. 1999	June 1998	June 99/98
All manufacturing industries	518,092	521,638	524,003	-0.7	-0.5	-0.5	515,400	524,263	529,821	527,169	-2.2
Manufacturing industries without defense capital goods	423,914	426,663	428,378	-0.6	-0.4	-0.3	420,757	428,054	432,083	427,503	-1.6
Durable goods industries	493,942	497,794	500,610	-0.8	-0.6	-0.5	490,641	500,124	506,344	501,923	-2.2
Stone, clay, and glass products	6,062	6,134	6,177	-1.2	-0.7	-1.7	6,092	6,184	6,247	6,449	-5.5
Primary metals	30,335	30,140	29,855	+0.6	+1.0	+1.8	30,439	30,889	31,092	32,915	-7.5
Blast furnaces, steel mills	12,358	12,073	11,837	+2.4	+2.0	+2.9	12,433	12,540	12,495	13,958	-10.9
Iron and steel foundries	4,843	4,974	5,118	-2.6	-2.8	+0.3	4,827	5,033	5,282	5,667	-14.8
Nonferrous and other primary metals	13,134	13,093	12,900	+0.3	+1.5	+1.5	13,179	13,316	13,315	13,290	-0.8
Fabricated metal products	25,513	25,568	25,769	-0.2	-0.8	-1.3	25,597	25,677	25,862	27,195	-5.9
Industrial machinery and equipment	77,943	79,109	78,848	-1.5	+0.3	+2.7	77,194	79,222	78,976	71,967	+7.3
Engines and turbines	22,184	22,703	22,385	-2.3	+1.4	+9.6	21,498	22,017	21,794	10,912	+97.0
Construction, mining and material handling equipment	9,069	9,336	9,427	-2.9	-1.0	-0.7	9,146	9,627	9,833	11,372	-19.6
Metalworking machinery	6,689	6,803	6,784	-1.7	+0.3	+2.5	6,689	6,803	6,784	7,272	-8.0
Computer and office equipment	8,089	8,068	7,985	+0.3	+1.0	-2.5	8,136	8,327	7,915	7,922	+2.7
Electronic and other electrical equipment	65,929	65,183	64,952	+1.1	+0.4	+1.1	63,140	64,966	67,008	55,291	+14.2
Electrical transmission and distribution equipment and industrial apparatus	6,419	6,406	6,351	+0.2	+0.9	+0.2	6,419	6,501	6,467	6,465	-0.7
Electric lighting and wiring equipment	5,206	5,122	5,269	+1.6	-2.8	+1.8	5,206	5,122	5,269	5,237	-0.6
Communications equipment	18,247	18,001	18,003	+1.4	0.0	-0.2	18,216	17,993	17,988	17,359	+4.9
Electronic components	30,195	29,864	29,290	+1.1	+2.0	+2.6	27,560	29,627	31,196	20,278	+35.9
Transportation equipment	231,915	235,273	238,436	-1.4	-1.3	-2.5	231,967	236,056	240,254	251,320	-7.7
Aircraft, missiles, space vehicles, and parts	195,133	197,363	199,727	-1.1	-1.2	-2.5	195,386	198,327	201,443	216,401	-9.7
Shipbuilding and tanks	19,659	20,063	20,483	-2.0	-2.1	-1.5	19,732	20,039	20,470	18,032	+9.4
Instruments and related products	47,743	47,947	47,886	-0.4	+0.1	+1.3	47,620	48,321	48,206	48,580	-2.0
Search and navigation equipment	26,504	26,570	26,663	-0.2	-0.3	+1.6	26,747	26,848	27,075	28,309	-5.5
Measuring and controlling devices	10,325	10,372	10,418	-0.5	-0.4	-0.3	10,325	10,372	10,418	10,124	+2.0
Medical instruments and supplies	10,080	10,144	9,899	-0.6	+2.5	+3.0	9,695	10,219	9,800	8,885	+9.1
All other durable goods	8,502	8,440	8,687	+0.7	-2.8	+0.7	8,592	8,809	8,699	8,206	+4.7
Nondurable goods industries	24,150	23,844	23,393	+1.3	+1.9	-0.3	24,759	24,139	23,477	25,246	-1.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1999[p]	May 1999[r]	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999[p]	May 1999[r]	Apr. 1999	June 1998	June 99/98
All manufacturing industries	463,316	463,742	463,194	-0.1	+0.1	-0.1	461,207	467,701	465,450	464,495	-0.7
anufacturing industries											
ith unfilled orders	308,013	308,646	309,172	-0.2	-0.2	-0.2	307,835	312,492	311,178	312,810	-1.6
ithout defense capital goods	445,154	445,316	444,828	0.0	+0.1	0.0	442,978	449,042	447,150	445,960	-0.7
urable goods industries	291,853	292,403	292,415	-0.2	0.0	-0.3	290,526	295,610	294,019	293,750	-1.1
Vith unfilled orders	267,161	268,064	268,271	-0.3	-0.1	-0.2	266,649	271,390	269,808	271,139	-1.7
one, clay, and glass products	9,445	9,388	9,237	+0.6	+1.6	-0.2	9,570	9,644	9,443	9,225	+3.7
imary metals	23,636	23,758	23,651	-0.5	+0.5	-0.3	23,485	23,716	23,527	24,464	-4.0
Blast furnaces, steel mills	11,456	11,599	11,574	-1.2	+0.2	-0.2	11,257	11,443	11,321	11,949	-5.8
Iron and steel foundries	1,612	1,617	1,616	-0.3	+0.1	-0.6	1,638	1,665	1,674	1,590	+3.0
Nonferrous and other primary metals	10,568	10,542	10,461	+0.2	+0.8	-0.4	10,590	10,608	10,532	10,925	-3.1
bricated metal products	30,798	31,006	30,887	-0.7	+0.4	+0.2	31,105	31,373	31,201	31,071	+0.1
lustrial machinery and equipment	60,163	60,331	60,483	-0.3	-0.3	-0.5	59,558	61,320	61,050	60,233	-1.1
Engines and turbines	4,260	4,358	4,353	-2.2	+0.1	+2.8	4,152	4,496	4,419	3,967	+4.7
Farm and garden machinery	3,609	3,628	3,644	-0.5	-0.4	-2.3	3,385	3,472	3,629	3,440	-1.6
Construction, mining and material handling equipment	8,880	8,973	9,024	-1.0	-0.6	-0.6	8,904	9,103	9,152	8,735	+1.9
Metalworking machinery	8,126	8,055	8,078	+0.9	-0.3	+1.0	8,086	8,206	8,132	7,557	+7.0
Computer and office equipment	9,134	8,958	8,958	+2.0	0.0	-2.4	9,018	9,391	9,113	9,748	-7.5
ctronic and other ectrical equipment	41,084	40,825	40,542	+0.6	+0.7	+0.5	41,127	41,720	41,138	40,751	+0.9
Electrical transmission and distribution equipment and industrial apparatus	5,209	5,246	5,301	-0.7	-1.0	+0.3	5,124	5,272	5,326	5,259	-2.6
Household appliances	2,417	2,437	2,402	-0.8	+1.5	+0.3	2,457	2,647	2,560	2,367	+3.8
Electric lighting and wiring equipment	3,566	3,534	3,532	+0.9	+0.1	+0.9	3,600	3,604	3,577	3,438	+4.7
Household audio and video equipment	1,020	981	964	+4.0	+1.8	+0.5	1,049	961	916	975	+7.6
Communications equipment	10,753	10,670	10,557	+0.8	+1.1	-0.3	10,641	11,002	10,750	10,278	+3.5
Electronic components	14,531	14,479	14,271	+0.4	+1.5	+1.8	14,578	14,721	14,461	14,777	-1.3
nsportation equipment	71,415	71,788	72,458	-0.5	-0.9	-1.3	70,422	71,987	72,314	73,728	-4.5
Motor vehicles and parts	17,567	17,233	17,082	+1.9	+0.9	-2.0	17,138	17,170	17,100	16,553	+3.5
Aircraft, missiles, space vehicles, and parts	47,958	48,659	49,473	-1.4	-1.6	-1.4	47,429	48,816	49,266	51,656	-8.2
hipbuilding and tanks	2,139	2,078	2,099	+2.9	-1.0	+2.0	2,137	2,093	2,133	1,761	+21.4
ruments and related products	26,419	26,644	26,810	-0.8	-0.6	+0.4	26,568	27,074	27,087	26,854	-1.1
earch and navigation equipment	6,661	6,775	6,825	-1.7	-0.7	+0.1	6,737	6,922	6,927	6,827	-1.3
Measuring and controlling devices	8,006	7,971	7,977	+0.4	-0.1	+0.3	8,102	8,038	8,067	8,255	-1.9
Medical instruments and supplies	8,615	8,670	8,687	-0.6	-0.2	+1.3	8,602	8,806	8,724	8,426	+2.1
hotographic goods	2,418	2,506	2,556	-3.5	-2.0	-1.4	2,403	2,576	2,591	2,633	-8.7
other durable goods	28,893	28,663	28,347	+0.8	+1.1	+0.2	28,691	28,776	28,259	27,424	+4.6
ndurable goods industries	171,463	171,339	170,779	+0.1	+0.3	+0.3	170,681	172,091	171,431	170,745	0.0
Vith unfilled orders	40,852	40,582	40,901	+0.7	-0.8	-0.5	41,186	41,102	41,370	41,671	-1.2
d and kindred products	38,150	38,182	37,978	-0.1	+0.5	+0.7	36,636	37,028	37,354	35,844	+2.2
Meat products	4,243	4,211	4,215	+0.8	-0.1	+0.7	4,316	4,327	4,349	4,143	+4.2
airy products	3,873	3,885	3,877	-0.3	+0.2	-0.8	3,937	3,978	3,992	3,813	+3.3
everages	8,828	8,776	8,656	+0.6	+1.4	+1.8	8,678	8,762	8,690	7,978	+8.8
ll other foods, except fats and oils	19,478	19,564	19,455	-0.4	+0.6	+0.9	18,060	18,264	18,556	18,139	-0.4
acco products	5,218	5,308	5,343	-1.7	-0.7	-0.4	4,750	5,054	5,228	5,276	-10.0
tile mill products	10,143	10,051	10,086	+0.9	-0.3	+0.1	10,212	10,340	10,334	10,327	-1.1
roadwoven fabrics and other textiles	6,211	6,186	6,215	+0.4	-0.5	-0.3	6,195	6,324	6,338	6,346	-2.4
er and allied products	16,063	16,023	15,994	+0.2	+0.2	-0.5	16,041	16,217	16,188	16,462	-2.6
ulp, paper, and paperboard mill products	6,498	6,513	6,499	-0.2	+0.2	-1.0	6,440	6,557	6,531	6,647	-3.1
aperboard containers and boxes	3,940	3,926	3,924	+0.4	+0.1	-0.4	3,943	3,955	3,977	4,300	-8.3
Miscellaneous converted paper products	5,625	5,584	5,571	+0.7	+0.2	0.0	5,658	5,705	5,680	5,515	+2.6
micals and allied products	46,865	46,929	46,362	-0.1	+1.2	+1.0	46,870	47,565	46,794	46,035	+1.8
ndustrial chemicals	19,152	19,234	19,116	-0.4	+0.6	-0.2	19,015	19,254	19,099	20,248	-6.1
rugs, soaps, and toiletries	21,835	21,780	21,344	+0.3	+2.0	+2.1	22,218	22,448	21,571	20,518	+8.3
Petroleum and coal products	10,725	10,706	10,688	+0.2	+0.2	+1.4	10,912	11,040	10,814	11,094	-1.6
Rubber and plastics products	16,883	16,902	16,794	-0.1	+0.6	+0.8	16,930	17,093	16,996	16,743	+1.1
All other nondurable goods	27,416	27,238	27,534	+0.7	-1.1	-1.1	28,330	27,754	27,723	28,964	-2.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999p	May 1999r	Apr 1999	May-June	Apr - May	Mar - Apr	June 1999p	May 1999r	Apr 1999	June 1998	June 99/98	1999p	1998
SHIPMENTS													
All manufacturing industries	354,284	350,624	347,568	+1 0	+0 9	-0 4	379,596	349,625	343,780	358,824	+5 8	2,090,791	2,014,429
Market categories													
Automotive equipment	17,044	15,936	15,614	+7 0	+2 1	-3 7	17,725	16,731	16,514	13,796	+28 5	100,405	88,447
Home goods and apparel	19,661	19,986	20,303	-1 6	-1 6	+2 6	20,608	18,947	19,419	19,997	+3 1	116,318	110,613
Consumer staples	73,791	72,565	72,015	+1 7	+0 8	-0 1	76,848	71,794	69,943	71,757	+7 1	425,252	406,602
Machinery and equipment	68,441	68,250	67,513	+0 3	+1 1	-0 7	77,652	66,726	65,074	73,874	+5 1	405,735	383,143
Business supplies	26,373	26,309	25,865	+0 2	+1 7	-1 4	27,686	26,149	26,084	26,661	+3 8	155,612	151,807
Construction materials and supplies	23,264	22,860	22,750	+1 8	+0 5	+0 3	25,122	23,314	22,874	23,494	+6 9	134,961	127,574
Defense products	6,623	6,845	6,737	-3 2	+1 6	-2 5	7,094	6,650	6,418	7,207	-1 6	40,345	40,799
Other materials, supplies and and intermediate products	119,087	117,873	116,771	+1 0	+0 9	-0 3	126,861	119,314	117,454	122,038	+4 0	712,163	705,444
Durable goods industries													
Nondefense capital goods [3]	54,460	55,543	54,731	-1 9	+1 5	+0 9	63,699	52,908	50,753	61,884	+2 9	322,523	304,738
Excluding aircraft and parts	46,409	46,376	46,016	+0 1	+0 8	+0 8	55,131	44,039	42,119	53,557	+2 9	271,989	260,361
Defense capital goods [4]	6,338	6,669	6,526	-5 0	+2 2	-2 2	6,803	6,483	6,155	6,881	-1 1	38,862	38,685
Durables excluding capital goods	140,371	137,213	135,989	+2 3	+0 9	-1 0	149,011	139,382	137,786	135,977	+9 6	832,442	786,401
Miscellaneous series													
Producers' durable equipment	131,975	130,255	129,328	+1 3	+0 7	-0 6	145,802	129,697	127,526	134,328	+8 5	785,837	734,214
Household durable goods	10,193	10,418	10,499	-2 2	-0 8	+3 2	10,852	10,019	10,183	10,157	+6 8	60,792	54,737
Information technology industries	26,680	26,715	26,846	-0 1	-0 5	+3 4	32,873	24,411	22,857	31,310	+5 0	154,491	144,035
Health care equipment and products	13,244	12,954	13,029	+2 2	-0 6	-0 4	14,281	12,191	12,340	13,091	+9 1	76,301	69,791
NEW ORDERS													
All manufacturing industries	350,738	348,259	344,915	+0 7	+1 0	-1 4	370,733	344,067	345,401	349,890	+6 0	2,093,205	2,010,040
Market categories													
Automotive equipment	17,059	15,944	15,584	+7 0	+2 3	-3 8	17,707	16,674	16,441	13,765	+28 6	100,436	88,329
Home goods and apparel	19,589	19,610	20,341	-0 1	-3 6	+1 6	20,360	18,730	19,628	20,048	+1 6	117,008	110,499
Consumer staples	73,832	72,661	72,008	+1 6	+0 9	-0 2	77,138	71,899	69,927	71,952	+7 2	425,675	406,765
Machinery and equipment	65,409	66,065	65,183	-1 0	+1 4	-2 5	73,491	64,815	63,342	71,748	+2 4	401,636	385,999
Business supplies	26,372	26,387	25,889	-0 1	+1 9	-1 7	27,685	26,448	26,237	26,759	+3 5	156,392	152,377
Construction materials and supplies	23,288	22,723	22,767	+2 5	-0 2	-0 1	25,131	23,173	22,910	23,448	+7 2	135,605	128,293
Defense products	5,817	6,090	5,331	-4 5	+14 2	-34 0	5,564	5,042	5,294	6,081	-8 5	39,103	37,633
Other materials, supplies and and intermediate products	119,372	118,779	117,812	+0 5	+0 8	+0 4	123,657	117,286	121,622	116,089	+6 5	717,350	700,145
Durable goods industries													
Nondefense capital goods [3]	50,765	53,041	52,525	-4 3	+1 0	-1 5	59,170	50,399	48,507	59,785	-1 0	317,316	305,832
Excluding aircraft and parts	44,318	46,057	47,437	-3 8	-2 9	+0 3	52,206	43,713	43,500	52,208	0 0	274,593	261,237
Defense capital goods [4]	5,541	6,019	5,060	-7 9	+19 0	-34 9	5,237	4,954	5,043	5,589	-6 3	37,792	36,135
Durables excluding capital goods	141,011	137,549	137,089	+2 5	+0 3	-0 9	145,623	137,200	142,582	130,728	+11 4	839,320	783,446
Miscellaneous series													
Producers' durable equipment	129,348	127,656	126,350	+1 3	+1 0	-2 1	141,430	127,219	124,839	131,701	+7 4	781,038	735,956
Household durable goods	10,179	10,052	10,481	+1 3	-4 1	+0 3	10,678	9,753	10,238	10,166	+5 0	61,044	54,246
Information technology industries	26,872	26,703	26,616	+0 6	+0 3	+0 3	32,826	24,731	22,760	31,359	+4 7	156,308	146,558
Health care equipment and products	13,181	13,199	13,318	-0 1	-0 9	+3 1	13,759	12,611	12,872	12,792	+7 6	76,415	70,254

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and mat handling equipment, metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and se industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and eng and parts, ships and tank components, railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts, ships, t and tank components, and search and navigation equipment

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1999[p]	May 1999[r]	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999[p]	May 1999[r]	Apr. 1999	June 1998	June 99/98
UNFILLED ORDERS											
All manufacturing industries	518,092	521,638	524,003	-0.7	-0.5	-0.5	515,400	524,263	529,821	527,169	-2.2
Market categories :											
Automotive equipment	2,501	2,486	2,479	+0.6	+0.3	-1.2	2,436	2,454	2,511	2,368	+2.9
Home goods and apparel	8,903	8,975	9,351	-0.8	-4.0	+0.4	9,001	9,249	9,467	8,444	+6.6
Consumer staples	2,657	2,616	2,520	+1.6	+3.8	-0.3	2,686	2,396	2,291	2,212	+21.4
Machinery and equipment	236,701	239,733	241,918	-1.3	-0.9	-1.0	236,470	240,632	242,544	245,599	-3.7
Business supplies	7,137	7,138	7,061	0.0	+1.1	+0.4	7,301	7,301	7,002	7,002	+4.3
Construction materials and supplies	17,744	17,721	17,858	+0.1	-0.8	+0.1	17,884	17,876	18,017	18,345	-2.5
Defense products	89,328	90,134	90,890	-0.9	-0.8	-1.5	89,673	91,203	92,812	94,379	-5.0
Other materials, supplies and and intermediate products	153,121	152,835	151,926	+0.2	+0.6	+0.7	149,949	153,152	155,177	148,820	+0.8
urable goods industries :											
Nondefense capital goods [3]	252,429	256,124	258,626	-1.4	-1.0	-0.8	251,875	256,404	258,913	262,310	-4.0
Excluding aircraft and parts	109,735	111,826	112,145	-1.9	-0.3	+1.3	109,181	112,106	112,432	104,048	+4.9
Defense capital goods [4]	94,178	94,975	95,625	-0.8	-0.7	-1.5	94,643	96,209	97,738	99,666	-5.0
Durables excluding capital goods	147,335	146,695	146,359	+0.4	+0.2	+0.8	144,123	147,511	149,693	139,947	+3.0
iscellaneous series :											
Producers' durable equipment	275,856	278,483	281,082	-0.9	-0.9	-1.0	274,705	279,077	281,555	284,856	-3.6
Household durable goods	5,531	5,545	5,911	-0.3	-6.2	-0.3	5,413	5,587	5,853	5,292	+2.3
Information technology industries	40,900	40,708	40,720	+0.5	0.0	-0.6	40,933	40,980	40,660	40,493	+1.1
Health care equipment and products	10,122	10,185	9,940	-0.6	+2.5	+3.0	9,738	10,260	9,841	8,928	+9.1
TOTAL INVENTORIES											
All manufacturing industries	463,316	463,742	463,194	-0.1	+0.1	-0.1	461,207	467,701	465,450	464,495	-0.7
arket categories :											
Automotive equipment	8,800	8,652	8,595	+1.7	+0.7	-2.0	8,629	8,784	8,663	8,291	+4.1
Home goods and apparel	31,465	31,342	31,133	+0.4	+0.7	-0.9	32,347	32,261	31,395	32,304	+0.1
Consumer staples	74,642	74,620	74,088	0.0	+0.7	+1.1	73,457	74,316	73,810	71,515	+2.7
Machinery and equipment	116,415	116,955	117,710	-0.5	-0.6	-0.6	115,198	118,666	118,677	118,269	-2.6
Business supplies	28,240	28,174	28,364	+0.2	-0.7	+0.4	28,254	28,391	28,660	28,044	+0.7
Construction materials and supplies	29,203	29,130	28,802	+0.3	+1.1	+0.2	29,324	29,421	29,025	28,485	+2.9
Defense products	17,966	18,121	18,016	-0.9	+0.6	-0.8	18,035	18,335	17,958	18,245	-1.2
Other materials, supplies and and intermediate products	156,585	156,748	156,486	-0.1	+0.2	0.0	155,963	157,527	157,262	159,342	-2.1
rable goods industries :											
Nondefense capital goods [3]	108,069	108,806	109,749	-0.7	-0.9	-0.6	107,041	110,486	110,601	110,896	-3.5
Excluding aircraft and parts	71,909	72,117	72,166	-0.3	-0.1	-0.2	71,463	73,833	73,137	71,360	+0.1
Defense capital goods [4]	18,162	18,426	18,366	-1.4	+0.3	-0.9	18,229	18,659	18,300	18,535	-1.7
Durables excluding capital goods	165,622	165,171	164,300	+0.3	+0.5	-0.1	165,256	166,465	165,118	164,319	+0.6
scellaneous series :											
Producers' durable equipment	189,239	189,490	189,822	-0.1	-0.2	-0.6	188,218	191,887	191,178	190,686	-1.3
Household durable goods	16,344	16,348	16,165	0.0	+1.1	-0.4	16,543	16,722	16,219	16,069	+2.9
Information technology industries	32,953	32,758	32,734	+0.6	+0.1	-0.6	32,855	33,762	33,312	33,411	-1.7
Health care equipment and products	20,428	20,452	20,238	-0.1	+1.1	+1.7	20,618	20,945	20,396	19,543	+5.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1999[p]	May 1999[r]	Apr 1999	May-June	Apr-May	Mar-Apr	June 1999[p]	May 1999[r]	Apr. 1999	June 1998	June 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	152,888	152,843	152,749	0.0	+0.1	-0.4	151,842	152,148	152,364	154,597	-1.8
Durable goods industries	91,900	91,677	91,722	+0.2	0.0	-0.6	91,003	91,086	91,047	92,252	-1.4
Stone, clay, and glass products	3,205	3,201	3,186	+0.1	+0.5	-0.3	3,197	3,190	3,157	3,002	+6.5
Primary metals	7,330	7,357	7,456	-0.4	-1.3	-1.6	7,211	7,125	7,199	7,896	-8.7
Fabricated metal products	10,400	10,403	10,319	0.0	+0.8	-0.9	10,401	10,280	10,252	10,718	-3.0
Industrial machinery and equipment	20,070	19,997	20,235	+0.4	-1.2	-0.3	19,945	20,147	20,251	19,658	+1.5
Electronic and other electrical equipment	15,841	15,565	15,503	+1.8	+0.4	-0.7	15,753	15,590	15,553	15,587	+1.1
Transportation equipment	15,217	15,306	15,068	-0.6	+1.6	+0.2	15,052	15,256	15,013	15,512	-3.0
Instruments and related products	8,945	8,912	9,045	+0.4	-1.5	-1.4	8,987	8,990	9,135	9,371	-4.1
Lumber, furniture and miscellaneous durable goods	10,892	10,936	10,910	-0.4	+0.2	-0.7	10,457	10,508	10,487	10,508	-0.5
Nondurable goods industries	60,988	61,166	61,027	-0.3	+0.2	-0.1	60,839	61,062	61,317	62,345	-2.4
Food and kindred products	11,646	11,642	11,556	0.0	+0.7	+1.4	11,527	11,493	11,642	11,189	+3.0
Tobacco products	4,596	4,662	4,701	-1.4	-0.8	-0.2	4,292	4,529	4,701	4,679	-8.3
Textile mill products	2,883	2,841	2,823	+1.5	+0.6	-0.8	2,904	2,915	2,869	3,010	-3.5
Paper and allied products	7,705	7,678	7,706	+0.4	-0.4	-0.7	7,669	7,652	7,762	8,059	-4.8
Chemicals and allied products	15,539	15,692	15,634	-1.0	+0.4	+0.8	15,630	15,786	15,649	15,481	+1.0
Petroleum and coal products	3,227	3,197	3,169	+0.9	+0.9	-0.8	3,284	3,256	3,244	3,254	+0.9
Rubber and plastics products	6,847	6,845	6,766	0.0	+1.2	+0.1	6,825	6,845	6,796	6,781	+0.6
Apparel, printing and publishing and leather goods	8,545	8,609	8,672	-0.7	-0.7	-2.6	8,708	8,586	8,654	9,892	-12.0
WORK IN PROCESS											
All manufacturing industries	146,805	147,793	148,176	-0.7	-0.3	-0.1	145,535	148,854	148,370	149,912	-2.9
Durable goods industries	116,020	117,183	117,829	-1.0	-0.5	-0.7	115,151	118,320	118,060	120,691	-4.6
Stone, clay, and glass products	1,460	1,416	1,361	+3.1	+4.0	+3.0	1,491	1,466	1,414	1,334	+11.8
Primary metals	8,208	8,294	8,165	-1.0	+1.6	-0.8	8,181	8,337	8,188	8,511	-3.9
Fabricated metal products	8,960	8,984	8,971	-0.3	+0.1	-0.4	8,974	9,043	8,955	9,099	-1.4
Industrial machinery and equipment	21,822	22,011	22,136	-0.9	-0.6	-0.3	21,658	22,365	22,220	22,621	-4.3
Electronic and other electrical equipment	14,216	14,430	14,186	-1.5	+1.7	+2.3	14,316	14,782	14,350	14,602	-2.0
Transportation equipment	46,109	46,610	47,628	-1.1	-2.1	-2.4	45,189	46,672	47,416	49,145	-8.0
Instruments and related products	9,857	10,004	9,971	-1.5	+0.3	+0.4	9,929	10,163	10,083	10,040	-1.1
Lumber, furniture and miscellaneous durable goods	5,388	5,434	5,411	-0.8	+0.4	+2.5	5,413	5,492	5,434	5,339	+1.4
Nondurable goods industries	30,785	30,610	30,347	+0.6	+0.9	+1.9	30,384	30,534	30,310	29,221	+4.0
Food and kindred products	6,134	6,114	6,134	+0.3	-0.3	-0.6	5,653	5,637	5,867	5,278	+7.1
Tobacco products	82	82	83	0.0	-1.2	-9.8	75	74	76	105	-28.6
Textile mill products	2,506	2,511	2,511	-0.2	0.0	-0.6	2,476	2,527	2,530	2,641	-6.2
Paper and allied products	1,653	1,641	1,634	+0.7	+0.4	-1.0	1,663	1,667	1,657	1,584	+5.0
Chemicals and allied products	9,576	9,541	9,066	+0.4	+5.2	+3.9	9,697	9,788	9,099	8,717	+11.2
Petroleum and coal products	2,571	2,573	2,571	-0.1	+0.1	+4.9	2,580	2,664	2,628	2,612	-1.2
Rubber and plastics products	2,320	2,294	2,308	+1.1	-0.6	+1.5	2,264	2,277	2,306	2,180	+3.9
Apparel, printing and publishing and leather goods	5,943	5,854	6,040	+1.5	-3.1	+2.5	5,976	5,900	6,147	6,104	-2.1
FINISHED GOODS											
All manufacturing industries	163,623	163,106	162,269	+0.3	+0.5	+0.3	163,830	166,699	164,716	159,986	+2.4
Durable goods industries	83,933	83,543	82,864	+0.5	+0.8	+0.5	84,372	86,204	84,912	80,807	+4.4
Stone, clay, and glass products	4,780	4,771	4,690	+0.2	+1.7	-1.1	4,882	4,988	4,872	4,889	-0.1
Primary metals	8,098	8,107	8,030	-0.1	+1.0	+1.3	8,093	8,254	8,140	8,057	+0.4
Fabricated metal products	11,438	11,619	11,597	-1.6	+0.2	+1.7	11,730	12,050	11,994	11,254	+4.2
Industrial machinery and equipment	18,271	18,323	18,112	-0.3	+1.2	-1.1	17,955	18,808	18,579	17,954	0.0
Electronic and other electrical equipment	11,027	10,830	10,853	+1.8	-0.2	-0.3	11,058	11,348	11,235	10,562	+4.7
Transportation equipment	10,089	9,872	9,762	+2.2	+1.1	+1.8	10,181	10,059	9,885	9,071	+12.2
Instruments and related products	7,617	7,728	7,794	-1.4	-0.8	+2.6	7,652	7,921	7,869	7,443	+2.8
Lumber, furniture and miscellaneous durable goods	12,613	12,293	12,026	+2.6	+2.2	0.0	12,821	12,776	12,338	11,577	+10.7
Nondurable goods industries	79,690	79,563	79,405	+0.2	+0.2	+0.1	79,458	80,495	79,804	79,179	+0.4
Food and kindred products	20,370	20,426	20,288	-0.3	+0.7	+0.7	19,456	19,898	19,845	19,377	+0.4
Tobacco products	540	564	559	-4.3	+0.9	-0.2	383	451	451	492	-22.2
Textile mill products	4,754	4,699	4,752	+1.2	-1.1	+0.9	4,832	4,898	4,935	4,676	+3.3
Paper and allied products	6,705	6,704	6,654	0.0	+0.8	-0.1	6,709	6,898	6,769	6,819	-1.6
Chemicals and allied products	21,750	21,696	21,662	+0.2	+0.2	-0.1	21,543	21,991	22,046	21,837	-1.3
Petroleum and coal products	4,927	4,936	4,948	-0.2	-0.2	+1.0	5,048	5,120	4,942	5,228	-3.4
Rubber and plastics products	7,716	7,763	7,720	-0.6	+0.6	+1.3	7,841	7,971	7,894	7,782	+0.8
Apparel, printing and publishing and leather goods	12,928	12,775	12,822	+1.2	-0.4	-1.7	13,646	13,268	12,922	12,968	+5.2

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey error and revision

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1999[p]	May 1999[r]	Apr. 1999	Mar. 1999	June 1999[p]	May 1999[r]	Apr. 1999	Mar. 1999
All manufacturing industries	1.31	1.32	1.33	1.33	2.58	2.59	2.63	2.64
rable goods industries	1.45	1.47	1.48	1.48	3.01	3.03	3.08	3.10
tone, clay, and glass products	1.10	1.11	1.10	1.09	0.74	0.76	0.77	0.78
rimary metals	1.61	1.64	1.66	1.64	2.07	2.07	2.10	2.02
abricated metal products	1.50	1.52	1.51	1.51	1.32	1.33	1.34	1.36
ndustrial machinery and equipment	1.62	1.61	1.61	1.64	2.21	2.22	2.22	2.19
lectronic and other electrical equipment	1.20	1.21	1.20	1.22	1.93	1.93	1.93	1.94
ransportation equipment	1.42	1.47	1.52	1.49	8.71	8.65	8.98	9.07
nstruments and related products	1.81	1.86	1.89	1.84	3.28	3.35	3.37	3.25
ndurable goods industries	1.12	1.13	1.14	1.13	0.65	0 64	0 63	0.64
ood and kindred products	0.91	0.92	0.93	0.90	(X)	(X)	(X)	(X)
obacco products	1.24	1.31	1.31	1.29	(X)	(X)	(X)	(X)
extile mill products	1.58	1.54	1.54	1.58	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.20	1.20	1.19	1.20	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.36	1.40	1.38	1.37	(X)	(X)	(X)	(X)
etroleum and coal products	0.80	0.82	0.82	0.85	(X)	(X)	(X)	(X)
ubber and plastics products	1.23	1.25	1.25	1.22	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1999	June[2] 1994-1998	June 1998-May 1999	June[1] 1999	June[2] 1994-1998	June 1998-May 1999	June[1] 1999	June[2] 1994-1998	June 1998-May 1999	June[1] 1999	June[2] 1994-1998	June 1998-May 1999
l manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
ıble goods industries	0.0	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.5	0.4	(X)	1.0	0.5	(X)	0.8	0.5	(X)	0.1	0.1
mary metals	0.2	0.5	0.2	0.4	0.8	0.8	-0.1	0.2	0.3	(X)	0.1	0.1
oricated metal products	(X)	0.4	0.3	(X)	0.6	0.4	(X)	0.4	0.2	(X)	0.2	0.1
ustrial machinery and equipment	0.2	0.6	0.4	0.3	1.0	0.2	0.0	0.2	0.1	(X)	0.2	0.1
ctronic and other ectrical equipment	0.0	0.5	0.5	0.3	1.8	1.3	0.1	0.7	0.6	(X)	0.2	0.2
nsportation equipment	-0.1	0.5	0.6	-0.4	0.3	1.0	0.1	0.0	0.1	(X)	0.0	0.2
truments and related products	(X)	1.0	0.6	(X)	1.3	1.3	(X)	0.1	0.3	(X)	0.1	0.1
durable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.2	(X)	0.2	0.1
od and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
acco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
tile mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
er and allied products	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
emicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
roleum and coal products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.7
ber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
tal goods industries :												
ndefense	0.1	0.8	0.3	0.3	0.8	0.5	0.2	0.0	0.1	(X)	0.1	0.1
fense	-1.3	0.4	0.5	-4.1	2.0	3.7	0.0	0.1	0.2	(X)	0.1	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the ıble goods industries are shown in the advance report for the month.

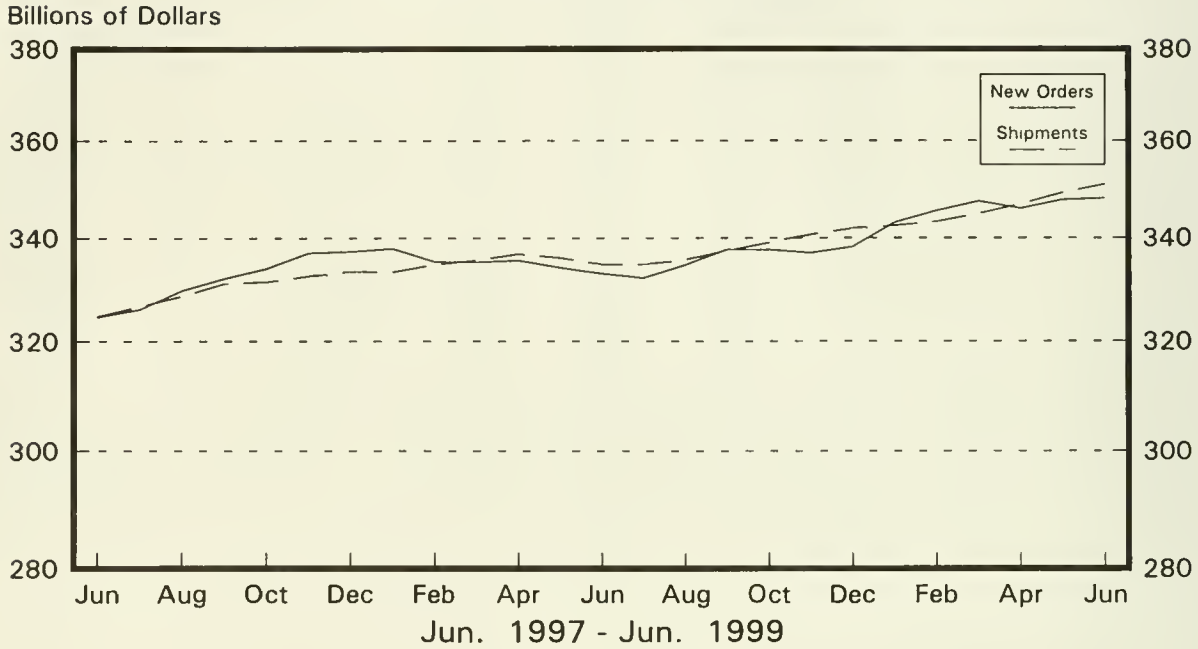
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

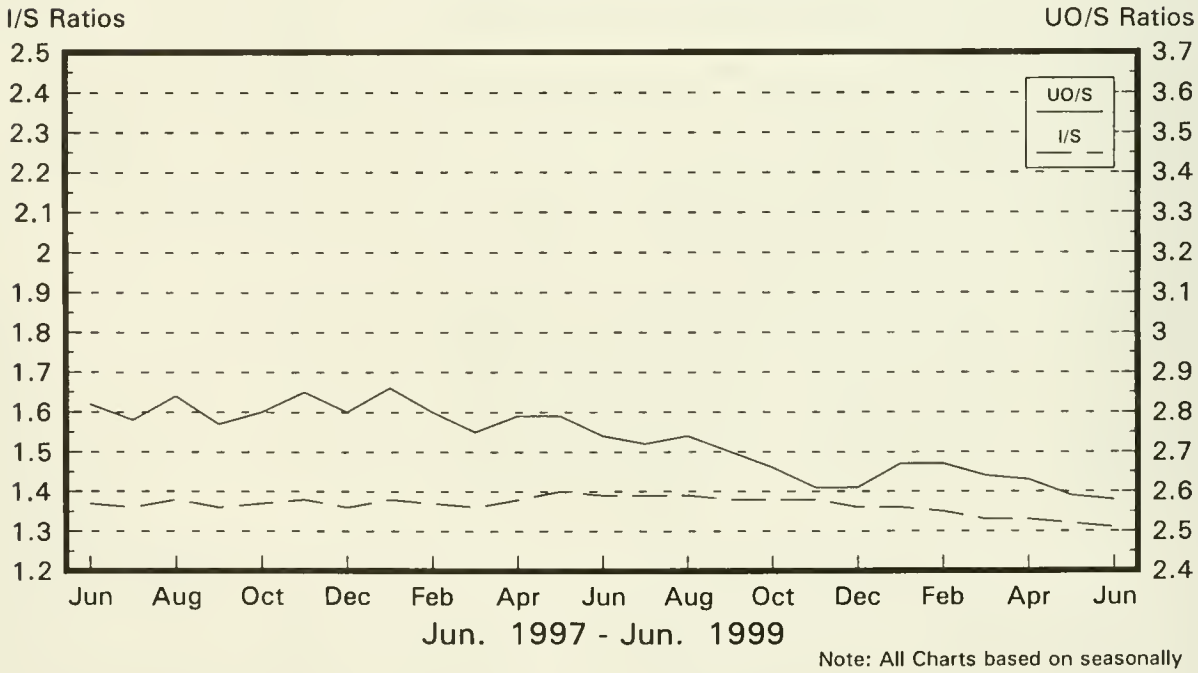
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

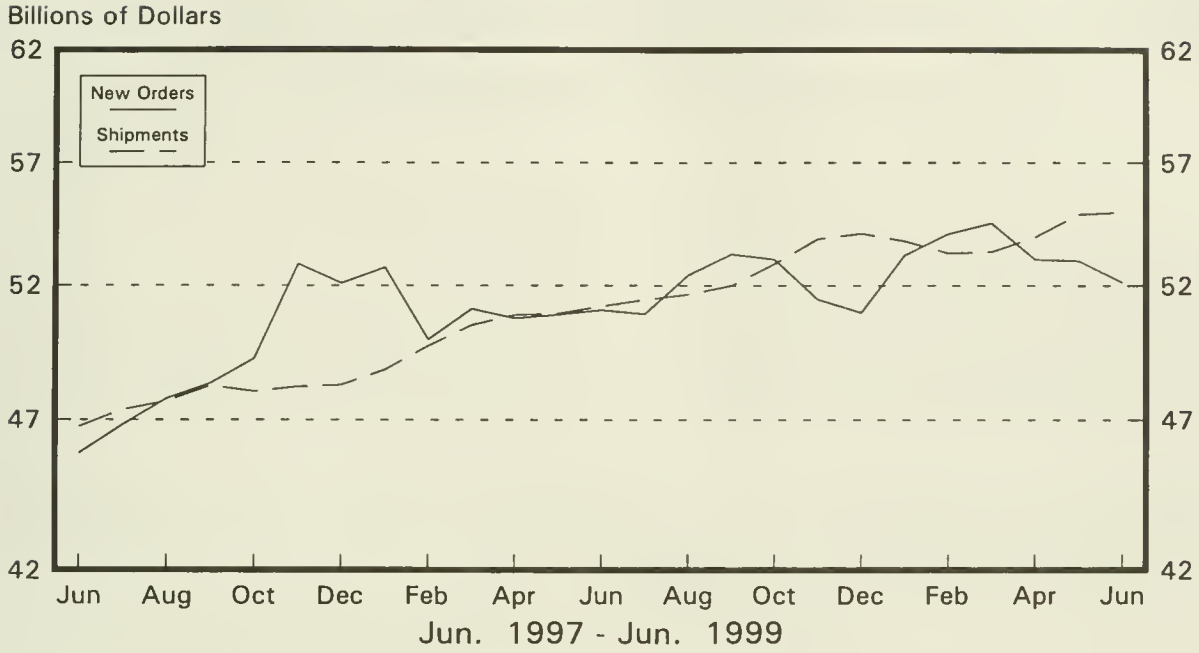
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

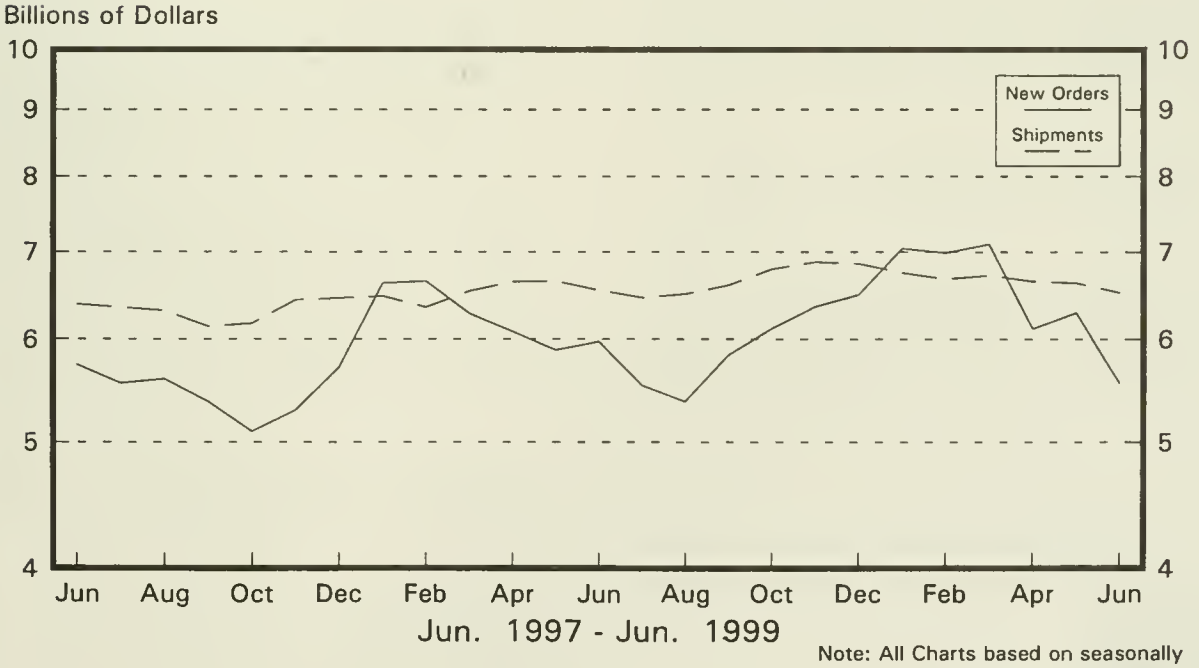
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

July 1999
M3-1-(99)-07
For Wire Transmissions 10:00 a.m. E.D.T. September 2, 1999

For Data - (301) 457-4673
For Questions - Frances Porter or Lee Wentela
(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July increased $7.3 billion or 2.1 percent to $358.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.8 percent June increase and is the eleventh increase in the last fourteen months. Excluding transportation, new orders increased 2.1 percent, the fifth increase in the last six months. Year-to-date, new orders are 4.5 percent above the same period a year ago.

Shipments increased $1.7 billion or 0.5 percent to $356.4 billion, following a 1.2 percent June increase. This is the eleventh increase in the last fourteen months. Year-to-date, shipments are 4.1 percent above the same period a year ago.

Unfilled orders increased $2.0 billion or 0.4 percent to $520.1 billion, following a 0.7 percent June decrease. This is the first increase since March. The unfilled orders-to-shipments ratio was 2.55, down from 2.57 in June.

Inventories increased $2.2 billion or 0.5 percent to $464.9 billion. This is the largest increase since October 1998. The inventories-to-shipments ratio was 1.30, unchanged from June.

New Orders

New orders for manufactured durable goods in July increased $7.1 billion or 3.6 percent to $204.2 billion, the Department of Commerce, Bureau of the Census reported today. This is the eleventh increase in the last fourteen months and the largest since November 1997. Excluding transportation, new orders increased 4.1 percent.

Industrial machinery and equipment, led by computers and office equipment, had the largest increase, $3.8 billion or 10.4 percent to $40.2 billion. This is the largest increase since February 1985. Electronic and other electrical equipment increased $1.7 billion or 4.7 percent to $36.8 billion, mostly due to electronic components. This is the fourth increase in the last five months. Transportation equipment, up three consecutive months, increased $1.0 billion or 2.1 percent to $47.2 billion. Primary metals, up four consecutive months, increased $0.3 billion or 2.3 percent to $15.6 billion.

New orders for nondurable goods, up five of the last six months, increased $0.2 billion or 0.1 percent to $154.2 billion. An increase in petroleum and coal products more than offset a decrease in food and kindred products.

Shipments

Shipments of durable goods in July increased $1.5 billion or 0.8 percent to $202.5 billion. This is the twelfth increase in the last fourteen months. Industrial machinery and equipment had the largest increase, $2.1 billion or 5.5 percent to $39.4 billion. This is the fifth increase in the last six months and the largest since July 1987. Electronic and other electrical equipment, up five consecutive months, increased $0.9 billion or 2.6 percent to $35.1 billion. Transportation equipment decreased $1.3 billion or 2.7 percent to $48.5 billion; led by motor vehicles and parts, all components decreased except shipbuilding and tanks.

Shipments of nondurable goods increased $0.2 billion or 0.1 percent to $153.9 billion. This is the fifth increase in the last six months. Petroleum and coal products, up six consecutive months, increased $0.9 billion or 6.3 percent to $14.6 billion. Food and kindred products decreased $0.6 billion or 1.4 percent to $41.5 billion.

Unfilled Orders

Unfilled orders for durable goods in July, up for the first time since March, increased $1.7 billion or 0.3 percent to $495.6 billion. Electronic and other electrical equipment, up eight consecutive months, had the largest increase, $1.7 billion or 2.6 percent to $67.9 billion. Industrial machinery and equipment, up seven of the last eight months, increased $0.9 billion or 1.1 percent to $79.1 billion. Primary metals, up six consecutive months, increased $0.8 billion or 2.5 percent to $31.4 billion. This is the largest increase since September 1997. Notwithstanding these increases, transportation equipment, down thirteen of the last fifteen months, decreased $1.2 billion or 0.5 percent to $230.5 billion.

Inventories

Inventories of durable goods in July increased $1.8 billion or 0.6 percent to $293.4 billion. This is the first increase since February.

Transportation equipment had the largest increase, $0.9 billion or 1.2 percent to $72.4 billion. This is the first increase since February. Instruments and related products increased $0.3 billion or 1.2 percent to $26.9 billion. Fabricated metal products increased $0.3 billion or 0.9 percent to $31.0 billion.

Inventories of nondurable goods, up four of the last five months, increased $0.4 billion or 0.2 percent to $171.5 billion.

By stage of fabrication, July finished goods increased 0.3 percent in durables and 0.4 percent in nondurables. Work in process increased 0.5 percent in durables and decreased 0.4 percent in nondurables. Materials and supplies increased 1.1 percent in durables and 0.4 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

e advance report on durable goods for August is scheduled for September 29, 1999 at 8:30 a.m. and the full report on October 6, 1999 at 10:00 a.m. For sale by the Superintendent Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin ard (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98	1999[p]	1998
All manufacturing industries	356,442	354,702	350,624	+0.5	+1.2	+0.9	319,970	380,057	349,625	302,131	+5.9	2,411,222	2,316,56
Manufacturing Industries													
with unfilled orders	203,740	201,266	201,211	+1.2	0.0	+1.0	180,892	218,997	197,615	172,719	+4.7	1,372,347	1,324,94
without defense capital goods	349,788	348,424	343,955	+0.4	+1.3	+0.9	314,152	373,323	343,142	296,440	+6.0	2,366,611	2,272,18
Durable goods industries	202,507	200,990	199,425	+0.8	+0.8	+1.1	170,896	219,424	198,773	158,992	+7.5	1,364,634	1,288,81
With unfilled orders	165,911	163,833	164,045	+1.3	-0.1	+1.0	144,057	180,447	161,459	135,900	+6.0	1,117,166	1,066,36
Stone, clay, and glass products	8,492	8,579	8,431	-1.0	+1.8	+0.7	8,625	9,324	8,629	8,249	+4.6	58,651	54,95
Primary metals	14,792	14,677	14,526	+0.8	+1.0	+2.1	13,495	15,501	14,894	13,580	-0.6	102,084	108,76
Blast furnaces, steel mills	5,628	5,615	5,626	+0.2	-0.2	+2.1	5,144	5,933	5,780	5,460	-5.8	39,467	44,63
Iron and steel foundries	1,533	1,536	1,504	-0.2	+2.1	+0.6	1,282	1,636	1,581	1,240	+3.4	10,718	10,61
Nonferrous and other primary metals	7,631	7,526	7,396	+1.4	+1.8	+2.4	7,069	7,932	7,533	6,880	+2.7	51,899	53,51
Fabricated metal products	20,395	20,544	20,411	-0.7	+0.7	0.0	18,196	21,800	20,751	18,129	+0.4	141,704	136,80
Industrial machinery and equipment	39,360	37,308	37,519	+5.5	-0.6	+0.1	34,055	44,097	36,517	32,255	+5.6	260,187	257,49
Engines and turbines	2,565	2,470	2,498	+3.8	-1.1	+3.9	1,873	2,913	2,510	1,608	+16.5	16,349	15,17
Farm and garden machinery	1,763	1,763	1,807	0.0	-2.4	-5.3	1,434	1,805	2,149	1,669	-14.1	14,841	16,35
Construction, mining and material handling equipment	3,817	3,869	3,814	-1.3	+1.4	-3.2	3,554	4,359	3,833	4,188	-15.1	27,990	30,38
Metalworking machinery	3,611	3,549	3,663	+1.7	-3.1	+6.4	3,070	3,919	3,631	2,932	+4.7	23,550	23,0
Computer and office equipment	13,141	11,164	11,536	+17.7	-3.2	-2.0	10,639	14,920	10,002	8,687	+22.5	77,149	71,7
Electronic and other electrical equipment	35,080	34,196	33,836	+2.6	+1.1	+0.5	30,508	37,380	32,345	27,019	+12.9	225,735	205,5
Electrical transmission and distribution equipment and industrial apparatus	3,938	3,712	3,817	+6.1	-2.8	+2.3	3,581	4,075	3,735	3,392	+5.6	26,093	25,3
Household appliances	2,416	2,347	2,343	+2.9	+0.2	-2.5	2,267	2,729	2,341	2,041	+11.1	16,480	14,4
Electric lighting and wiring equipment	2,437	2,509	2,378	-2.9	+5.5	-4.3	2,052	2,612	2,343	1,882	+9.0	15,957	15,1
Household audio and video equipment	1,126	1,078	1,092	+4.5	-1.3	+0.8	998	990	946	898	+11.1	6,718	6,4
Communications equipment	8,800	8,528	8,374	+3.2	+1.8	+1.6	7,411	10,054	7,669	5,664	+30.8	54,382	45,7
Electronic components	14,057	13,726	13,527	+2.4	+1.5	-0.9	12,396	14,550	13,028	11,412	+8.6	91,335	84,5
Transportation equipment	48,454	49,781	48,891	-2.7	+1.8	+2.4	32,741	52,128	50,363	28,518	+14.8	331,851	295,1
Motor vehicles and parts	34,141	34,813	32,717	-1.9	+6.4	+1.6	20,447	36,080	34,588	16,637	+22.9	227,899	199,9
Aircraft, missiles, space vehicles, and parts	10,933	11,317	12,741	-3.4	-11.2	+4.0	9,331	12,080	12,353	9,374	-0.5	80,556	74,2
Shipbuilding and tanks	979	910	999	+7.6	-8.9	+5.5	903	971	979	832	+8.5	6,577	6,2
Instruments and related products	14,460	14,611	14,309	-1.0	+2.1	+0.7	12,976	16,166	13,940	12,608	+2.9	98,441	96,2
Search and navigation equipment	3,248	3,200	3,200	+1.5	0.0	+2.9	2,915	3,461	3,062	2,753	+5.9	21,689	20,7
Measuring and controlling devices	4,139	4,118	4,077	+0.5	+1.0	-0.1	3,652	4,435	4,059	3,565	+2.4	28,238	28,2
Medical instruments and supplies	4,729	4,943	4,761	-4.3	+3.8	+1.1	4,250	5,565	4,551	4,076	+4.3	32,844	30,8
Photographic goods	1,883	1,873	1,780	+0.5	+5.2	-2.1	1,708	2,176	1,766	1,763	-3.1	12,297	13,2
All other durable goods	21,474	21,294	21,502	+0.8	-1.0	+1.7	20,300	23,028	21,334	18,634	+8.9	145,981	133,8
Nondurable goods industries	153,935	153,712	151,199	+0.1	+1.7	+0.6	149,074	160,633	150,852	143,139	+4.1	1,046,588	1,027,7
With unfilled orders	37,829	37,433	37,166	+1.1	+0.7	+0.9	36,835	38,550	36,156	36,819	0.0	255,181	258,5
Food and kindred products	41,485	42,055	41,494	-1.4	+1.4	+1.9	39,850	43,209	41,560	39,068	+2.0	285,945	279,4
Meat products	8,770	9,040	8,700	-3.0	+3.9	+1.2	8,726	9,345	8,866	8,591	+1.6	60,339	60,3
Dairy products	6,367	6,475	6,413	-1.7	+1.0	+5.2	6,050	6,668	6,447	5,976	+1.2	44,794	41,8
Beverages	6,351	6,324	6,260	+0.4	+1.0	-0.9	6,682	7,183	6,675	6,378	+4.8	44,135	42,5
All other foods, except fats and oils	18,280	18,398	18,317	-0.6	+0.4	+2.3	16,675	18,195	17,768	16,177	+3.1	123,679	120,2
Tobacco products	4,267	4,230	4,063	+0.9	+4.1	-0.2	4,157	4,501	4,072	3,357	+23.8	28,950	23,5
Textile mill products	6,544	6,447	6,533	+1.5	-1.3	-0.4	6,043	7,019	6,610	6,292	-4.0	44,754	47,2
Broadwoven fabrics and other textiles	3,711	3,732	3,761	-0.6	-0.8	-0.6	3,235	4,034	3,829	3,596	-10.0	25,895	28,8
Paper and allied products	13,611	13,460	13,394	+1.1	+0.5	+0.1	13,333	14,038	13,258	13,580	-1.8	93,942	97,1
Pulp, paper, and paperboard mill products	5,201	5,192	5,043	+0.2	+3.0	-0.4	5,162	5,366	4,942	5,251	-1.7	35,857	37,7
Paperboard containers and boxes	3,355	3,329	3,268	+0.8	+1.9	-0.6	3,271	3,439	3,297	3,593	-9.0	23,263	25,3
Miscellaneous converted paper products	5,055	4,939	5,083	+2.3	-2.8	+1.0	4,900	5,233	5,019	4,736	+3.5	34,822	33,9
Chemicals and allied products	34,313	34,483	33,580	-0.5	+2.7	0.0	32,686	36,988	33,721	30,935	+5.7	236,785	230,0
Industrial chemicals	15,282	15,070	14,657	+1.4	+2.8	+1.4	14,966	16,047	14,787	14,475	+3.4	104,728	107,6
Drugs, soaps, and toiletries	15,213	15,446	15,100	-1.5	+2.3	-1.6	14,174	16,369	14,050	13,008	+9.0	102,313	92,1
Petroleum and coal products	14,565	13,703	13,045	+6.3	+5.0	0.0	15,142	14,467	13,758	12,428	+21.8	87,978	86,8
Rubber and plastics products	13,354	13,609	13,484	-1.9	+0.9	+0.3	12,324	14,495	13,865	12,150	+1.4	95,112	92,3
All other nondurable goods	25,796	25,725	25,606	+0.3	+0.5	+0.4	25,539	25,916	24,008	25,329	+0.8	173,122	171,0

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr.-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98	1999[p]	1998
All manufacturing industries	358,466	351,128	348,259	+2.1	+0.8	+1.0	329,117	370,797	344,067	306,253	+7.5	2,422,386	2,316,293
lanufacturing industries with unfilled orders	205,764	197,692	198,846	+4.1	-0.6	+1.1	190,039	209,737	192,057	176,841	+7.5	1,383,511	1,324,673
without defense capital goods	351,807	345,919	342,240	+1.7	+1.1	+0.7	323,966	365,884	339,113	302,334	+7.2	2,379,767	2,276,239
urable goods industries	204,232	197,084	196,609	+3.6	+0.2	+1.0	178,663	209,554	192,553	162,637	+9.9	1,372,615	1,288,050
With unfilled orders	167,636	159,927	161,229	+4.8	-0.8	+0.9	151,824	170,577	155,239	139,545	+8.8	1,125,147	1,065,597
one, clay, and glass products	8,466	8,527	8,388	-0.7	+1.7	+1.5	8,610	9,266	8,566	8,361	+3.0	58,691	55,343
imary metals	15,555	15,206	14,811	+2.3	+2.7	+0.3	14,339	15,295	14,691	12,753	+12.4	104,764	106,514
Blast furnaces, steel mills	5,791	5,885	5,862	-1.6	+0.4	+0.3	5,286	5,829	5,825	4,805	+10.0	41,010	43,581
Iron and steel foundries	1,554	1,400	1,360	+11.0	+2.9	-10.0	1,278	1,425	1,332	1,089	+17.4	10,184	10,651
Nonferrous and other primary metals	8,210	7,921	7,589	+3.6	+4.4	+2.4	7,775	8,041	7,534	6,859	+13.4	53,570	52,282
abricated metal products	20,333	20,284	20,210	+0.2	+0.4	+0.7	18,385	21,509	20,566	18,222	+0.9	141,845	137,800
dustrial machinery and equipment	40,241	36,435	37,780	+10.4	-3.6	-4.5	35,252	42,284	36,763	32,179	+9.5	264,352	255,961
Engines and turbines	2,916	1,942	2,816	+50.2	-31.0	-35.4	2,437	2,394	2,733	2,187	+11.4	19,686	14,134
Construction, mining and material handling equipment	3,719	3,621	3,723	+2.7	-2.7	-3.8	3,242	3,900	3,627	3,702	-12.4	27,213	30,900
Metalworking machinery	3,888	3,427	3,682	+13.5	-6.9	+2.0	3,347	3,797	3,650	2,980	+12.3	24,062	23,216
Computer and office equipment	13,372	11,280	11,619	+18.5	-2.9	+0.5	11,155	14,774	10,414	8,850	+26.0	77,905	72,246
ectronic and other lectrical equipment	36,819	35,158	34,067	+4.7	+3.2	-0.9	37,406	35,607	30,303	32,182	+16.2	238,020	212,722
Electrical transmission and distribution equipment and industrial apparatus	3,983	3,736	3,872	+6.6	-3.5	+3.5	3,670	3,995	3,769	3,377	+8.7	26,422	25,237
Electric lighting and wiring equipment	2,534	2,686	2,231	-5.7	+20.4	-5.9	2,149	2,789	2,196	1,852	+16.0	16,331	15,411
Communications equipment	8,925	8,640	8,372	+3.3	+3.2	+2.1	7,530	10,145	7,674	5,332	+41.2	55,528	48,437
Electronic components	15,526	14,305	14,101	+8.5	+1.4	-1.9	19,010	12,566	11,459	17,083	+11.3	101,937	89,004
insportation equipment	47,215	46,253	45,728	+2.1	+1.1	+9.9	31,384	47,846	46,165	27,428	+14.4	319,684	290,816
Aircraft, missiles, space vehicles, and parts	10,580	9,117	10,377	+16.0	-12.1	+43.7	8,649	9,138	9,237	8,432	+2.6	71,251	71,609
Shipbuilding and tanks	668	275	579	142.9	-52.5	-9.4	576	432	548	285	102.1	6,428	5,346
truments and related products	14,183	13,887	14,370	+2.1	-3.4	-3.1	12,749	14,925	14,055	12,623	+1.0	98,109	94,721
Search and navigation equipment	2,901	3,091	3,107	-6.1	-0.5	-12.1	2,231	3,363	2,835	2,129	+4.8	21,327	19,164
Measuring and controlling devices	4,142	4,071	4,031	+1.7	+1.0	-0.4	3,655	4,388	4,013	3,698	-1.2	28,381	27,667
Medical instruments and supplies	4,780	4,400	5,006	+8.6	-12.1	+0.1	4,690	4,498	4,970	4,809	-2.5	32,850	32,016
other durable goods	21,420	21,334	21,255	+0.4	+0.4	+0.2	20,538	22,822	21,444	18,889	+8.7	147,150	134,173
ndurable goods industries	154,234	154,044	151,650	+0.1	+1.6	+0.9	150,454	161,243	151,514	143,616	+4.8	1,049,771	1,028,243
With unfilled orders	38,128	37,765	37,617	+1.0	+0.4	+2.3	38,215	39,160	36,818	37,296	+2.5	258,364	259,076

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ·ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ·ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ·ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), ·anufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr.-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98
All manufacturing industries	520,088	518,064	521,638	+0.4	-0.7	-0.5	524,150	515,003	524,263	531,291	-1.3
Manufacturing industries without defense capital goods	426,177	424,158	426,663	+0.5	-0.6	-0.4	430,429	420,615	428,054	433,397	-0.7
Durable goods industries	495,613	493,888	497,794	+0.3	-0.8	-0.6	498,021	490,254	500,124	505,568	-1.5
Stone, clay, and glass products	6,056	6,082	6,134	-0.4	-0.8	-0.7	6,111	6,126	6,184	6,561	-6.9
Primary metals	31,432	30,669	30,140	+2.5	+1.8	+1.0	31,527	30,683	30,889	32,088	-1.7
Blast furnaces, steel mills	12,506	12,343	12,073	+1.3	+2.2	+2.0	12,578	12,436	12,540	13,303	-5.4
Iron and steel foundries	4,859	4,838	4,974	+0.4	-2.7	-2.8	4,818	4,822	5,033	5,516	-12.7
Nonferrous and other primary metals	14,067	13,488	13,093	+4.3	+3.0	+1.5	14,131	13,425	13,316	13,269	+6.5
Fabricated metal products	25,246	25,308	25,568	-0.2	-1.0	-0.8	25,575	25,386	25,677	27,288	-6.3
Industrial machinery and equipment	79,117	78,236	79,109	+1.1	-1.1	+0.3	78,606	77,409	79,222	71,891	+9.3
Engines and turbines	22,526	22,175	22,703	+1.6	-2.3	+1.4	22,062	21,498	22,017	11,491	+92.0
Construction, mining and material handling equipment	8,990	9,088	9,336	-1.1	-2.7	-1.0	8,856	9,168	9,627	10,886	-18.6
Metalworking machinery	6,958	6,681	6,803	+4.1	-1.8	+0.3	6,958	6,681	6,803	7,320	-4.9
Computer and office equipment	8,415	8,184	8,068	+2.8	+1.4	+1.0	8,697	8,181	8,327	8,085	+7.6
Electronic and other electrical equipment	67,884	66,145	65,183	+2.6	+1.5	+0.4	70,091	63,193	64,966	60,454	+15.9
Electrical transmission and distribution equipment and industrial apparatus	6,475	6,430	6,406	+0.7	+0.4	+0.9	6,510	6,421	6,501	6,450	+0.9
Electric lighting and wiring equipment	5,396	5,299	5,122	+1.8	+3.5	-2.8	5,396	5,299	5,122	5,207	+3.6
Communications equipment	18,238	18,113	18,001	+0.7	+0.6	0.0	18,203	18,084	17,993	17,027	+6.9
Electronic components	31,912	30,443	29,864	+4.8	+1.9	+2.0	34,257	27,643	29,627	25,949	+32.0
Transportation equipment	230,506	231,745	235,273	-0.5	-1.5	-1.3	230,417	231,774	236,056	250,230	-7.9
Aircraft, missiles, space vehicles, and parts	194,810	195,163	197,363	-0.2	-1.1	-1.2	194,703	195,385	198,327	215,459	-9.6
Shipbuilding and tanks	19,117	19,428	20,063	-1.6	-3.2	-2.1	19,173	19,500	20,039	17,485	+9.7
Instruments and related products	46,946	47,223	47,947	-0.6	-1.5	+0.1	46,853	47,080	48,321	48,595	-3.6
Search and navigation equipment	26,114	26,461	26,570	-1.3	-0.4	-0.3	26,066	26,750	26,848	27,685	-5.8
Measuring and controlling devices	10,328	10,325	10,372	0.0	-0.5	-0.4	10,328	10,325	10,372	10,257	+0.7
Medical instruments and supplies	9,652	9,601	10,144	+0.5	-5.4	+2.5	9,592	9,152	10,219	9,618	-0.3
All other durable goods	8,426	8,480	8,440	-0.6	+0.5	-2.8	8,841	8,603	8,809	8,461	+4.5
Nondurable goods industries	24,475	24,176	23,844	+1.2	+1.4	+1.9	26,129	24,749	24,139	25,723	+1.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr.-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98
All manufacturing industries	464,865	462,690	463,742	+0.5	-0.2	+0.1	466,414	460,432	467,701	469,220	-0.6
lanufacturing industries vith unfilled orders	309,013	307,649	308,646	+0.4	-0.3	-0.2	311,822	307,382	312,492	316,461	-1.5
vithout defense capital goods	446,254	444,400	445,316	+0.4	-0.2	+0.1	447,383	442,120	449,042	450,000	-0.6
urable goods industries	293,396	291,645	292,403	+0.6	-0.3	0.0	294,972	290,135	295,610	297,154	-0.7
With unfilled orders	268,510	266,959	268,064	+0.6	-0.4	-0.1	270,581	266,314	271,390	274,042	-1.3
one, clay, and glass products	9,449	9,395	9,388	+0.6	+0.1	+1.6	9,508	9,511	9,644	9,176	+3.6
imary metals	23,706	23,674	23,758	+0.1	-0.4	+0.5	23,812	23,498	23,716	24,851	-4.2
Blast furnaces, steel mills	11,405	11,468	11,599	-0.5	-1.1	+0.2	11,467	11,262	11,443	12,349	-7.1
Iron and steel foundries	1,605	1,611	1,617	-0.4	-0.4	+0.1	1,590	1,638	1,665	1,557	+2.1
Nonferrous and other primary metals	10,696	10,595	10,542	+1.0	+0.5	+0.8	10,755	10,598	10,608	10,945	-1.7
bricated metal products	31,015	30,740	31,006	+0.9	-0.9	+0.4	31,213	31,023	31,373	31,152	+0.2
dustrial machinery and equipment	59,734	59,867	60,331	-0.2	-0.8	-0.3	59,774	59,347	61,320	61,030	-2.1
Engines and turbines	4,491	4,273	4,358	+5.1	-2.0	+0.1	4,549	4,146	4,496	4,196	+8.4
Farm and garden machinery	3,567	3,601	3,628	-0.9	-0.7	-0.4	3,291	3,385	3,472	3,431	-4.1
Construction, mining and material handling equipment	8,898	8,879	8,973	+0.2	-1.0	-0.6	8,787	8,903	9,103	8,653	+1.5
Metalworking machinery	8,017	8,112	8,055	-1.2	+0.7	-0.3	8,239	8,100	8,206	7,980	+3.2
Computer and office equipment	8,641	9,004	8,958	-4.0	+0.5	0.0	8,906	8,999	9,391	9,891	-10.0
ctronic and other lectrical equipment	41,174	40,997	40,825	+0.4	+0.4	+0.7	41,779	41,032	41,720	40,866	+2.2
Electrical transmission and distribution equipment and industrial apparatus	5,243	5,214	5,246	+0.6	-0.6	-1.0	5,221	5,124	5,272	5,299	-1.5
Household appliances	2,400	2,410	2,437	-0.4	-1.1	+1.5	2,397	2,446	2,647	2,364	+1.4
Electric lighting and wiring equipment	3,568	3,566	3,534	+0.1	+0.9	+0.1	3,666	3,607	3,604	3,544	+3.4
Household audio and video equipment	1,154	1,043	981	+10.6	+6.3	+1.8	1,268	1,049	961	1,060	+19.6
Communications equipment	10,727	10,731	10,670	0.0	+0.6	+1.1	10,887	10,624	11,002	10,491	+3.8
Electronic components	14,440	14,453	14,479	-0.1	-0.2	+1.5	14,566	14,521	14,721	14,448	+0.8
nsportation equipment	72,450	71,596	71,788	+1.2	-0.3	-0.9	72,721	70,500	71,987	75,256	-3.4
Motor vehicles and parts	17,711	17,597	17,233	+0.6	+2.1	+0.9	17,932	17,125	17,170	17,022	+5.3
Aircraft, missiles, space vehicles, and parts	48,629	48,037	48,659	+1.2	-1.3	-1.6	48,622	47,431	48,816	52,504	-7.4
hipbuilding and tanks	2,216	2,208	2,078	+0.4	+6.3	-1.0	2,219	2,221	2,093	1,729	+28.3
uments and related products	26,912	26,587	26,644	+1.2	-0.2	-0.6	27,287	26,663	27,074	27,010	+1.0
earch and navigation equipment	6,783	6,691	6,775	+1.4	-1.2	-0.7	7,003	6,737	6,922	6,988	+0.2
Measuring and controlling devices	8,084	8,023	7,971	+0.8	+0.7	-0.1	8,194	8,102	8,038	8,127	+0.8
Medical instruments and supplies	8,837	8,724	8,670	+1.3	+0.6	-0.2	8,896	8,693	8,806	8,554	+4.0
hotographic goods	2,461	2,424	2,506	+1.5	-3.3	-2.0	2,450	2,403	2,576	2,634	-7.0
other durable goods	28,956	28,789	28,663	+0.6	+0.4	+1.1	28,878	28,561	28,776	27,813	+3.8
ndurable goods industries	171,469	171,045	171,339	+0.2	-0.2	+0.3	171,442	170,297	172,091	172,066	-0.4
Vith unfilled orders	40,503	40,690	40,582	-0.5	+0.3	-0.8	41,241	41,068	41,102	42,419	-2.8
d and kindred products	37,849	38,037	38,182	-0.5	-0.4	+0.5	36,749	36,600	37,028	36,333	+1.1
Meat products	4,280	4,254	4,211	+0.6	+1.0	-0.1	4,305	4,329	4,327	4,087	+5.3
Dairy products	3,893	3,875	3,885	+0.5	-0.3	+0.2	4,023	3,938	3,978	3,926	+2.5
everages	8,683	8,797	8,776	-1.3	+0.2	+1.4	8,447	8,678	8,762	7,987	+5.8
ll other foods, except fats and oils	19,364	19,409	19,564	-0.2	-0.8	+0.6	18,427	18,013	18,264	18,521	-0.5
acco products	5,149	5,208	5,308	-1.1	-1.9	-0.7	4,645	4,750	5,054	5,210	-10.8
tile mill products	10,033	10,107	10,051	-0.7	+0.6	-0.3	10,176	10,193	10,340	10,428	-2.4
roadwoven fabrics and other textiles	6,123	6,171	6,186	-0.8	-0.2	-0.5	6,179	6,170	6,324	6,461	-4.4
er and allied products	16,052	16,070	16,023	-0.1	+0.3	+0.2	16,005	16,066	16,217	16,513	-3.1
ulp, paper, and paperboard mill products	6,420	6,473	6,513	-0.8	-0.6	+0.2	6,350	6,428	6,557	6,648	-4.5
aperboard containers and boxes	3,965	3,942	3,926	+0.6	+0.4	+0.1	3,985	3,943	3,955	4,327	-7.9
Miscellaneous converted paper products	5,667	5,655	5,584	+0.2	+1.3	+0.2	5,670	5,695	5,705	5,538	+2.4
micals and allied products	46,999	46,581	46,929	+0.9	-0.7	+1.2	47,121	46,543	47,565	46,483	+1.4
ndustrial chemicals	19,439	19,113	19,234	+1.7	-0.6	+0.6	19,480	18,956	19,254	20,393	-4.5
rugs, soaps, and toiletries	21,620	21,581	21,780	+0.2	-0.9	+2.0	21,987	21,949	22,448	20,783	+5.8
oleum and coal products	11,062	10,814	10,706	+2.3	+1.0	+0.2	11,256	10,985	11,040	11,066	+1.7
ber and plastics products	17,009	16,902	16,902	+0.6	0.0	+0.6	17,023	16,930	17,093	16,646	+2.3
other nondurable goods	27,316	27,326	27,238	0.0	+0.3	-1.1	28,467	28,230	27,754	29,387	-3.1

Preliminary. [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	356,442	354,702	350,624	+0.5	+1.2	+0.9	319,970	380,057	349,625	302,131	+5.9	2,411,222	2,316,56
Market categories													
Automotive equipment	16,644	16,967	15,936	-1.9	+6.5	+2.1	10,181	17,746	16,731	8,370	+21.6	110,607	96,81
Home goods and apparel	19,898	19,645	19,986	+1.3	-1.7	-1.6	18,566	20,592	18,947	17,945	+3.5	134,868	128,55
Consumer staples	74,002	74,050	72,565	-0.1	+2.0	+0.8	71,837	77,136	71,794	67,118	+7.0	497,377	473,72
Machinery and equipment	68,961	68,232	68,250	+1.1	0.0	+1.1	57,104	77,374	66,726	52,850	+8.0	462,561	435,99
Business supplies	26,785	26,505	26,309	+1.1	+0.7	+1.7	25,421	27,806	26,149	24,196	+5.1	181,153	176,00
Construction materials and supplies	23,365	23,303	22,860	+0.3	+1.9	+0.5	23,167	25,145	23,314	21,640	+7.1	158,151	149,21
Defense products	6,855	6,565	6,845	+4.4	-4.1	+1.6	6,092	7,025	6,650	6,027	+1.1	46,368	46,82
Other materials, supplies and and intermediate products	119,932	119,435	117,873	+0.4	+1.3	+0.9	107,602	127,233	119,314	103,985	+3.5	820,137	809,42
Durable goods industries													
Nondefense capital goods[3]	55,983	54,472	55,543	+2.8	-1.9	+1.5	48,489	63,559	52,908	44,305	+9.4	370,872	349,0-
Excluding aircraft and parts	48,645	46,459	46,376	+4.7	+0.2	+0.8	42,219	54,986	44,039	37,828	+11.6	314,063	298,18
Defense capital goods[4]	6,654	6,278	6,669	+6.0	-5.9	+2.2	5,818	6,734	6,483	5,691	+2.2	44,611	44,37
Durables excluding capital goods	139,870	140,240	137,213	-0.3	+2.2	+0.9	116,589	149,131	139,382	108,996	+7.0	949,151	895,39
Miscellaneous series													
Producers' durable equipment	132,806	131,602	130,255	+0.9	+1.0	+0.7	106,249	145,448	129,697	97,546	+8.9	891,732	831,76
Household durable goods	10,569	10,262	10,418	+3.0	-1.5	-0.8	9,217	10,937	10,019	8,281	+11.3	70,094	63,0
Information technology industries	28,938	26,666	26,715	+8.5	-0.2	-0.5	24,290	32,606	24,411	20,382	+19.2	178,514	164,4
Health care equipment and products	12,971	13,317	12,954	-2.6	+2.8	-0.6	11,919	14,439	12,191	11,130	+7.1	88,378	80,9
NEW ORDERS													
All manufacturing industries	358,466	351,128	348,259	+2.1	+0.8	+1.0	329,117	370,797	344,067	306,253	+7.5	2,422,386	2,316,2
Market categories													
Automotive equipment	16,642	16,986	15,944	-2.0	+6.5	+2.3	10,223	17,737	16,674	8,363	+22.2	110,689	96,6
Home goods and apparel	19,968	19,580	19,610	+2.0	-0.2	-3.6	18,862	20,340	18,730	17,919	+5.3	135,850	128,4
Consumer staples	74,077	74,127	72,661	-0.1	+2.0	+0.9	72,516	77,462	71,899	67,646	+7.2	498,515	474,4
Machinery and equipment	68,172	64,842	66,065	+5.1	-1.9	+1.4	56,880	72,751	64,815	52,752	+7.8	457,776	438,7
Business supplies	26,824	26,481	26,387	+1.3	+0.4	+1.9	25,811	27,784	26,448	24,501	+5.3	182,302	176,8
Construction materials and supplies	23,521	23,502	22,723	+0.1	+3.4	-0.2	23,343	25,340	23,173	21,569	+8.2	159,157	149,8
Defense products	6,899	5,492	6,090	+25.6	-9.8	+14.2	5,562	5,240	5,042	4,423	+25.8	44,341	42,0
Other materials, supplies and and intermediate products	122,363	120,118	118,779	+1.9	+1.1	+0.8	115,920	124,113	117,286	109,080	+6.3	833,756	809,2
Durable goods industries													
Nondefense capital goods[3]	55,266	50,948	53,041	+8.5	-3.9	+1.0	48,068	59,120	50,399	43,832	+9.7	365,334	349,6
Excluding aircraft and parts	48,884	44,540	46,057	+9.8	-3.3	-2.9	42,754	52,152	43,713	37,492	+14.0	317,293	298,7
Defense capital goods[4]	6,659	5,209	6,019	+27.8	-13.5	+19.0	5,151	4,913	4,954	3,919	+31.4	42,619	40,0
Durables excluding capital goods	142,307	140,927	137,549	+1.0	+2.5	+0.3	125,444	145,521	137,200	114,886	+9.2	964,662	898,3
Miscellaneous series													
Producers' durable equipment	131,880	128,463	127,656	+2.7	+0.6	-1.0	106,722	140,467	127,219	97,641	+9.3	886,797	833,5
Household durable goods	10,661	10,258	10,052	+3.9	+2.0	-4.1	9,567	10,759	9,753	8,249	+16.0	70,692	62,4
Information technology industries	29,129	26,823	26,703	+8.6	+0.4	+0.3	24,781	32,474	24,731	20,212	+22.6	180,737	166,7
Health care equipment and products	13,022	12,775	13,199	+1.9	-3.2	-0.9	12,361	13,374	12,611	11,864	+4.2	88,391	82,1

[p] Preliminary [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam, gas and hydraulic turbines, internal combustion engines, construction, mining, and handling equipment, metalworking machinery special industry machinery general industrial machinery, computer and office equipment, refrigeration, heating and industry machinery, electrical transmission and distribution equipment electrical industrial apparatus communications equipment, aircraft, missiles, space vehicles, and and parts, ships and tank components, railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft missiles space vehicles, and engines and parts, ship and tank components, and search and navigation equipment

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr.-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/98
UNFILLED ORDERS											
ll manufacturing industries	520,088	518,064	521,638	+0.4	-0.7	-0.5	524,150	515,003	524,263	531,291	-1.3
rket categories :											
Automotive equipment	2,503	2,505	2,486	-0.1	+0.8	+0.3	2,487	2,445	2,454	2,361	+5.3
Home goods and apparel	8,980	8,911	8,975	+0.8	-0.7	-4.0	9,293	8,997	9,249	8,418	+10.4
Consumer staples	2,769	2,693	2,616	+2.8	+2.9	+3.8	3,400	2,721	2,396	2,739	+24.1
Machinery and equipment	235,554	236,343	239,733	-0.3	-1.4	-0.9	235,784	236,008	240,632	245,501	-4.0
Business supplies	7,153	7,114	7,138	+0.5	-0.3	+1.1	7,669	7,279	7,301	7,307	+5.0
Construction materials and supplies	18,075	17,919	17,721	+0.9	+1.1	-0.8	18,246	18,071	17,876	18,274	-0.2
Defense products	89,105	89,061	90,134	0.0	-1.2	-0.8	88,888	89,418	91,203	92,775	-4.2
Other materials, supplies and and intermediate products	155,949	153,518	152,835	+1.6	+0.4	+0.6	158,383	150,064	153,152	153,916	+2.9
rable goods industries :											
Nondefense capital goods [3]	251,883	252,600	256,124	-0.3	-1.4	-1.0	251,544	251,965	256,404	261,837	-3.9
Excluding aircraft and parts	110,146	109,907	111,826	+0.2	-1.7	-0.3	109,807	109,272	112,106	103,712	+5.9
Defense capital goods [4]	93,911	93,906	94,975	0.0	-1.1	-0.7	93,721	94,388	96,209	97,894	-4.3
Durables excluding capital goods	149,819	147,382	146,695	+1.7	+0.5	+0.2	152,756	143,901	147,511	145,837	+4.7
cellaneous series :											
roducers' durable equipment	274,418	275,344	278,483	-0.3	-1.1	-0.9	274,569	274,096	279,077	284,951	-3.6
ousehold durable goods	5,633	5,541	5,545	+1.7	-0.1	-6.2	5,759	5,409	5,587	5,260	+9.5
nformation technology industries	41,056	40,865	40,708	+0.5	+0.4	0.0	41,339	40,848	40,980	40,323	+2.5
ealth care equipment and products	9,694	9,643	10,185	+0.5	-5.3	+2.5	9,637	9,195	10,260	9,661	-0.2
TOTAL INVENTORIES											
l manufacturing industries	464,865	462,690	463,742	+0.5	-0.2	+0.1	466,414	460,432	467,701	469,220	-0.6
ket categories :											
utomotive equipment	8,894	8,817	8,652	+0.9	+1.9	+0.7	9,019	8,630	8,784	8,630	+4.5
ome goods and apparel	31,576	31,431	31,342	+0.5	+0.3	+0.7	32,463	32,272	32,261	32,501	-0.1
onsumer staples	74,294	74,284	74,620	0.0	-0.5	+0.7	73,423	73,131	74,316	72,164	+1.7
achinery and equipment	116,992	116,397	116,955	+0.5	-0.5	-0.6	117,122	115,171	118,666	119,920	-2.3
usiness supplies	28,248	28,174	28,174	+0.3	0.0	-0.7	28,561	28,205	28,391	28,621	-0.2
onstruction materials and supplies	29,397	29,218	29,130	+0.6	+0.3	+1.1	29,567	29,319	29,421	28,666	+3.1
efense products	18,335	18,088	18,121	+1.4	-0.2	+0.6	18,719	18,116	18,335	18,898	-0.9
her materials, supplies and and intermediate products	157,129	156,281	156,748	+0.5	-0.3	+0.2	157,540	155,588	157,527	159,820	-1.4
ble goods industries :											
ondefense capital goods [3]	108,270	107,909	108,806	+0.3	-0.8	-0.9	108,560	106,922	110,486	112,277	-3.3
Excluding aircraft and parts	71,840	71,729	72,117	+0.2	-0.5	-0.1	72,464	71,343	73,833	72,464	0.0
efense capital goods [4]	18,611	18,290	18,426	+1.8	-0.7	+0.3	19,031	18,312	18,659	19,220	-1.0
urables excluding capital goods	166,515	165,446	165,171	+0.6	+0.2	+0.5	167,381	164,901	166,465	165,657	+1.0
ellaneous series :											
oducers' durable equipment	190,130	189,119	189,490	+0.5	-0.2	-0.2	191,120	188,043	191,887	193,150	-1.1
ousehold durable goods	16,328	16,239	16,348	+0.5	-0.7	+1.1	16,622	16,411	16,722	16,351	+1.7
formation technology industries	32,715	32,842	32,758	-0.4	+0.3	+0.1	33,364	32,801	33,762	33,680	-0.9
ealth care equipment and products	20,538	20,402	20,452	+0.7	-0.2	+1.1	20,794	20,566	20,945	19,812	+5.0

ee footnotes at end of table 5.

ee note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perc chan
	July 1999[p]	June 1999[r]	May 1999	June-July	May-June	Apr.-May	July 1999[p]	June 1999[r]	May 1999	July 1998	July 99/9
MATERIALS AND SUPPLIES											
All manufacturing industries	154,151	152,952	152,843	+0.8	+0.1	+0.1	154,671	151,818	152,148	156,626	-1
Durable goods industries	93,008	92,031	91,677	+1.1	+0.4	0.0	93,631	91,023	91,086	93,984	-0
Stone, clay, and glass products	3,206	3,192	3,201	+0.4	-0.3	+0.5	3,208	3,184	3,190	3,038	+5
Primary metals	7,406	7,358	7,357	+0.7	0.0	-1.3	7,431	7,218	7,125	8,039	-7
Fabricated metal products	10,552	10,440	10,403	+1.1	+0.4	+0.8	10,597	10,427	10,280	10,804	-1
Industrial machinery and equipment	19,956	19,999	19,997	-0.2	0.0	-1.2	20,095	19,913	20,147	20,141	-0
Electronic and other electrical equipment	16,458	15,913	15,565	+3.4	+2.2	+0.4	16,786	15,720	15,590	15,957	+5
Transportation equipment	15,434	15,270	15,306	+1.1	-0.2	+1.6	15,655	15,116	15,256	15,956	-1
Instruments and related products	9,096	9,014	8,912	+0.9	+1.1	-1.5	9,152	9,039	8,990	9,280	-1
Lumber, furniture and miscellaneous durable goods	10,900	10,845	10,936	+0.5	-0.8	+0.2	10,707	10,406	10,508	10,769	-0
Nondurable goods industries	61,143	60,921	61,166	+0.4	-0.4	+0.2	61,040	60,795	61,062	62,642	-2
Food and kindred products	11,595	11,593	11,642	0.0	-0.4	+0.7	11,412	11,475	11,493	11,291	+1
Tobacco products	4,558	4,595	4,662	-0.8	-1.4	-0.8	4,209	4,292	4,529	4,597	-8
Textile mill products	2,831	2,873	2,841	-1.5	+1.1	+0.6	2,881	2,896	2,915	3,022	-4
Paper and allied products	7,723	7,707	7,678	+0.2	+0.4	-0.4	7,681	7,669	7,652	8,080	-4
Chemicals and allied products	15,735	15,476	15,692	+1.7	-1.4	+0.4	15,820	15,574	15,786	15,504	+2
Petroleum and coal products	3,265	3,249	3,197	+0.5	+1.6	+0.9	3,299	3,311	3,256	3,392	-2
Rubber and plastics products	6,913	6,855	6,845	+0.8	+0.1	+1.2	6,972	6,823	6,845	6,849	+1
Apparel, printing and publishing and leather goods	8,523	8,573	8,609	-0.6	-0.4	-0.7	8,766	8,755	8,586	9,907	-11
WORK IN PROCESS											
All manufacturing industries	147,020	146,609	147,793	+0.3	-0.8	-0.3	147,734	145,249	148,854	151,705	-2
Durable goods industries	116,587	116,056	117,183	+0.5	-1.0	-0.5	117,333	115,081	118,320	122,063	-3
Stone, clay, and glass products	1,455	1,453	1,416	+0.1	+2.6	+4.0	1,478	1,484	1,466	1,366	+8
Primary metals	8,145	8,195	8,294	-0.6	-1.2	+1.6	8,250	8,170	8,337	8,737	-5
Fabricated metal products	8,973	8,966	8,984	+0.1	-0.2	+0.1	9,073	8,987	9,043	9,182	-1
Industrial machinery and equipment	21,819	21,709	22,011	+0.5	-1.4	-0.6	21,903	21,530	22,365	22,743	-3
Electronic and other electrical equipment	14,045	14,160	14,430	-0.8	-1.9	+1.7	14,173	14,294	14,782	14,192	-0
Transportation equipment	46,890	46,294	46,610	+1.3	-0.7	-2.1	46,837	45,257	46,672	50,191	-6
Instruments and related products	9,887	9,901	10,004	-0.1	-1.0	+0.3	10,171	9,957	10,163	10,275	-1
Lumber, furniture and miscellaneous durable goods	5,373	5,378	5,434	-0.1	-1.0	+0.4	5,448	5,402	5,492	5,377	+1
Nondurable goods industries	30,433	30,553	30,610	-0.4	-0.2	+0.9	30,401	30,168	30,534	29,642	+2
Food and kindred products	6,175	6,146	6,114	+0.5	+0.5	-0.3	5,640	5,665	5,637	5,217	+8
Tobacco products	82	82	82	0.0	0.0	-1.2	78	75	74	114	-31
Textile mill products	2,476	2,490	2,511	-0.6	-0.8	0.0	2,490	2,464	2,527	2,690	-7
Paper and allied products	1,665	1,671	1,641	-0.4	+1.8	+0.4	1,673	1,691	1,667	1,596	+4
Chemicals and allied products	9,160	9,292	9,541	-1.4	-2.6	+5.2	9,325	9,397	9,788	8,869	+5
Petroleum and coal products	2,598	2,577	2,573	+0.8	+0.2	+0.1	2,613	2,586	2,664	2,594	+0
Rubber and plastics products	2,299	2,316	2,294	-0.7	+1.0	-0.6	2,264	2,260	2,277	2,174	+4
Apparel, printing and publishing and leather goods	5,978	5,979	5,854	0.0	+2.1	-3.1	6,318	6,030	5,900	6,388	-1
FINISHED GOODS											
All manufacturing industries	163,694	163,129	163,106	+0.3	0.0	+0.5	164,009	163,365	166,699	160,889	+1
Durable goods industries	83,801	83,558	83,543	+0.3	0.0	+0.8	84,008	84,031	86,204	81,107	+3
Stone, clay, and glass products	4,788	4,750	4,771	+0.8	-0.4	+1.7	4,822	4,843	4,988	4,772	+1
Primary metals	8,155	8,121	8,107	+0.4	+0.2	+1.0	8,131	8,110	8,254	8,075	+0
Fabricated metal products	11,490	11,334	11,619	+1.4	-2.5	+0.2	11,543	11,609	12,050	11,166	+3
Industrial machinery and equipment	17,959	18,159	18,323	-1.1	-0.9	+1.2	17,776	17,904	18,808	18,146	-2.
Electronic and other electrical equipment	10,671	10,924	10,830	-2.3	+0.9	-0.2	10,820	11,018	11,348	10,717	+1
Transportation equipment	10,126	10,032	9,872	+0.9	+1.6	+1.1	10,229	10,127	10,059	9,109	+12.
Instruments and related products	7,929	7,672	7,728	+3.3	-0.7	-0.8	7,964	7,667	7,921	7,455	+6.
Lumber, furniture and miscellaneous durable goods	12,683	12,566	12,293	+0.9	+2.2	+2.2	12,723	12,753	12,776	11,667	+9
Nondurable goods industries	79,893	79,571	79,563	+0.4	0.0	+0.2	80,001	79,334	80,495	79,782	+0
Food and kindred products	20,079	20,298	20,426	-1.1	-0.6	+0.7	19,697	19,460	19,898	19,825	-0.
Tobacco products	509	531	564	-4.1	-5.9	+0.9	358	383	451	499	-28.
Textile mill products	4,726	4,744	4,699	-0.4	+1.0	-1.1	4,805	4,833	4,898	4,716	+1
Paper and allied products	6,664	6,692	6,704	-0.4	-0.2	+0.8	6,651	6,706	6,898	6,837	-2.
Chemicals and allied products	22,104	21,813	21,696	+1.3	+0.5	+0.2	21,976	21,572	21,991	22,110	-0.
Petroleum and coal products	5,199	4,988	4,936	+4.2	+1.1	-0.2	5,344	5,088	5,120	5,080	+5.
Rubber and plastics products	7,797	7,731	7,763	+0.9	-0.4	+0.6	7,787	7,847	7,971	7,623	+2.
Apparel, printing and publishing and leather goods	12,815	12,774	12,775	+0.3	0.0	-0.4	13,383	13,445	13,268	13,092	+2.

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1999[p]	June 1999[r]	May 1999	Apr. 1999	July 1999[p]	June 1999[r]	May 1999	Apr. 1999
l manufacturing industries	1.30	1.30	1.32	1.33	2.55	2.57	2.59	2.63
ble goods industries	1.45	1.45	1.47	1.48	2.99	3.01	3.03	3.08
ne, clay, and glass products	1.11	1.10	1.11	1.10	0.74	0.74	0.76	0.77
nary metals	1.60	1.61	1.64	1.66	2.12	2.09	2.07	2.10
ricated metal products	1.52	1.50	1.52	1.51	1.31	1.31	1.33	1.34
ustrial machinery and equipment	1.52	1.60	1.61	1.61	2.10	2.20	2.22	2.22
ctronic and other ectrical equipment	1.17	1.20	1.21	1.20	1.94	1.93	1.93	1.93
nsportation equipment	1.50	1.44	1.47	1.52	9.02	8.78	8.65	8.98
ruments and related products	1.86	1.82	1.86	1.89	3.25	3.23	3.35	3.37
urable goods industries	1.11	1.11	1.13	1.14	0.65	0.65	0.64	0.63
d and kindred products	0.91	0.90	0.92	0.93	(X)	(X)	(X)	(X)
acco products	1.21	1.23	1.31	1.31	(X)	(X)	(X)	(X)
ile mill products	1.53	1.57	1.54	1.54	(NA)	(NA)	(NA)	(NA)
r and allied products	1.18	1.19	1.20	1.19	(NA)	(NA)	(NA)	(NA)
micals and allied products	1.37	1.35	1.40	1.38	(X)	(X)	(X)	(X)
oleum and coal products	0.76	0.79	0.82	0.82	(X)	(X)	(X)	(X)
ber and plastics products	1.27	1.24	1.25	1.25	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; r vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; leum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1999	July[2] 1994-1998	July 1998-June 1999	July[1] 1999	July[2] 1994-1998	July 1998-June 1999	July[1] 1999	July[2] 1994-1998	July 1998-June 1999	July[1] 1999	July[2] 1994-1998	July 1998-June 1999
manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
e goods industries	0.1	0.3	0.2	0.3	0.3	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
, clay, and glass products	(X)	0.4	0.4	(X)	1.1	0.5	(X)	0.7	0.4	(X)	0.1	0.2
ry metals	-0.3	0.1	0.2	-0.1	0.4	0.9	0.1	0.2	0.4	(X)	0.1	0.0
cated metal products	(X)	0.3	0.3	(X)	0.3	0.5	(X)	0.2	0.3	(X)	0.1	0.1
trial machinery and equipment	1.9	0.3	0.4	2.0	0.2	0.3	0.1	0.1	0.2	(X)	0.1	0.1
onic and other trical equipment	-0.9	0.6	0.5	-1.2	0.7	1.2	-0.2	0.4	0.6	(X)	0.1	0.2
portation equipment	0.0	1.0	0.7	0.1	1.0	1.1	0.0	0.1	0.1	(X)	0.2	0.2
ments and related products	(X)	0.3	0.6	(X)	1.1	1.3	(X)	0.2	0.3	(X)	0.2	0.1
able goods industries	(X)	0.0	0.1	(X)	0.0	0.1	(X)	0.1	0.2	(X)	0.0	0.1
and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
co products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
e mill products	(X)	0.5	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
icals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
eum and coal products	(X)	0.1	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6
r and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
goods industries :												
fense	1.1	0.2	0.3	1.2	0.3	0.5	0.0	0.1	0.1	(X)	0.1	0.1
se	0.0	0.7	0.5	0.0	3.1	4.1	0.0	0.2	0.3	(X)	0.2	0.1

Not applicable. (NA) Not available.

te : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The ly averages are the simple averages of the absolute values of the differences for the months specified The advance to final percent change revisions for the e goods industries are shown in the advance report for the month.

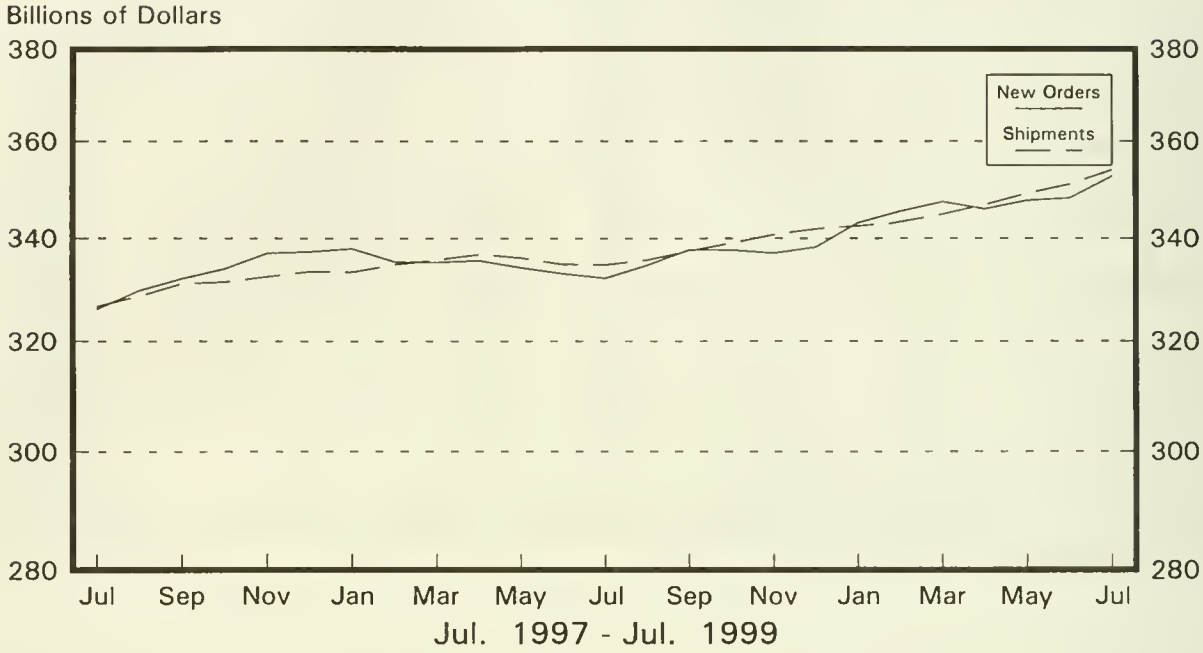
e current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

verage for this month for the last five years.

note at end of table 2 relating to survey error and revision.

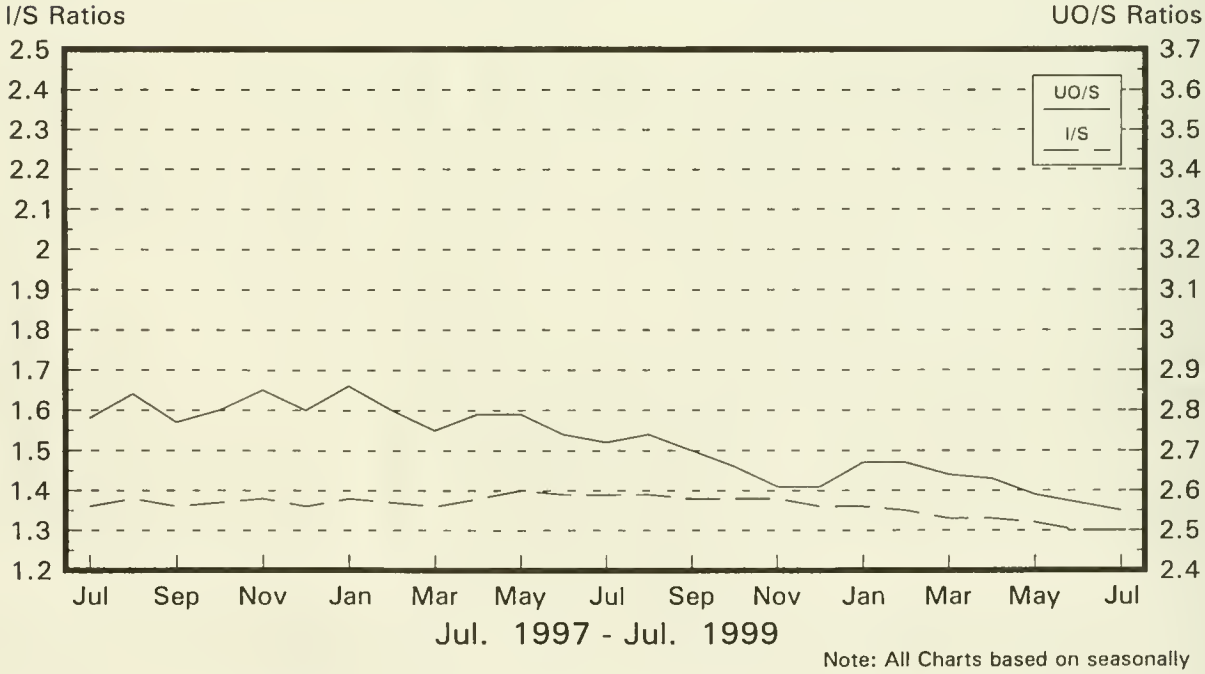
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

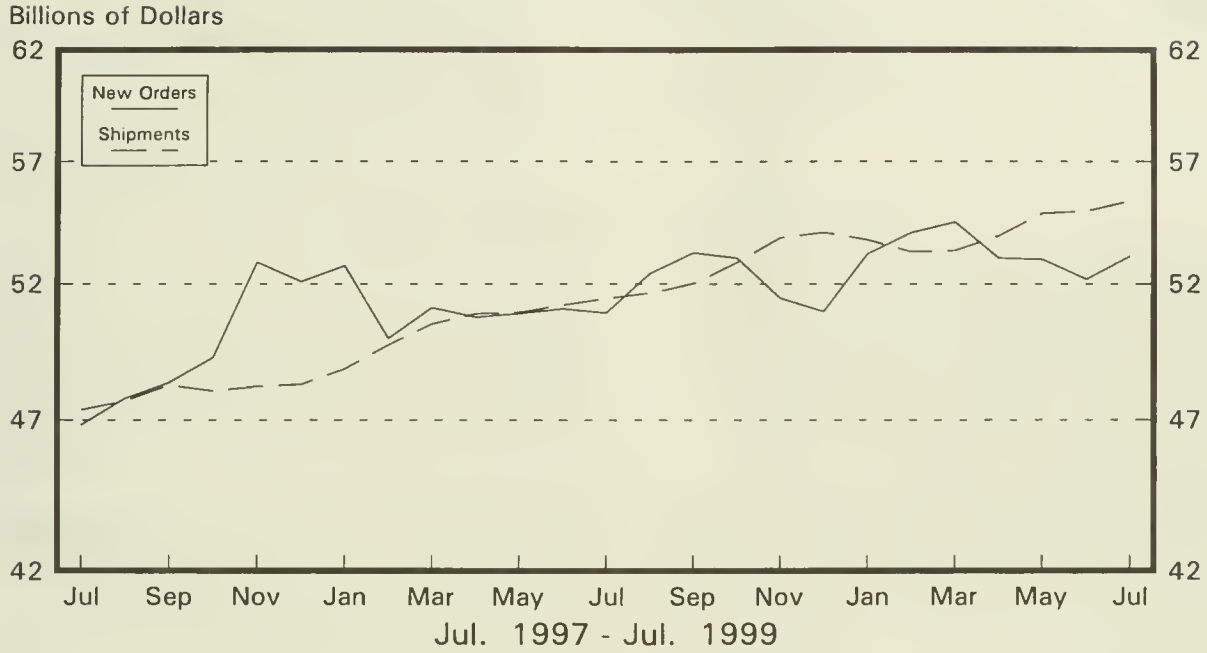
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

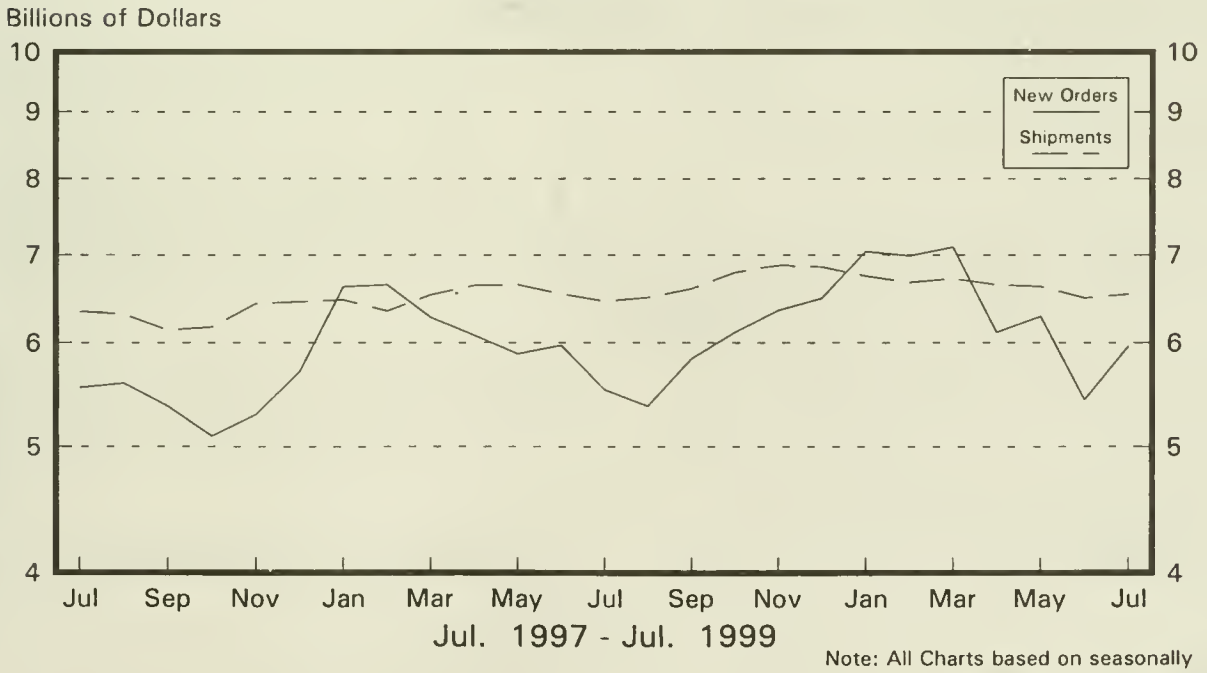
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders, M3-1-(99)-08, August 1999

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

August 1999
M3-1-(99)-08
For Wire Transmissions 10:00 a.m. E.D.T. October 6, 1999

For Data - (301) 457-4673
For Questions - Frances Porter or Lee Wentela
(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August increased $4.8 billion or 1.3 percent to $364.7 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.5 percent July increase and is the twelfth increase in the last fifteen months. Excluding transportation, new orders increased 0.8 percent, the sixth increase in the last seven months. Year-to-date, new orders are 5.0 percent above the same period a year ago.

Shipments increased $5.0 billion or 1.4 percent to $362.3 billion, following a 0.7 percent July increase. This is the twelfth increase in the last fifteen months. Year-to-date, shipments are 4.6 percent above the same period a year ago.

Unfilled orders increased $2.4 billion or 0.5 percent to $523.1 billion, following a 0.5 percent July increase. The unfilled orders-to-shipments ratio was 2.52, down from 2.55 in July.

Inventories decreased $0.4 billion or 0.1 percent to $464.6 billion, following a 0.5 percent July increase. The inventories-to-shipments ratio was 1.28, down from 1.30 in July.

New Orders

New orders for manufactured durable goods in August increased $2.5 billion or 1.2 percent to $208.0 billion, revised from the previously published 0.9 percent increase. This is the twelfth increase in the last fifteen months.

Transportation equipment, led by aircraft and parts, had the largest increase, $2.3 billion or 4.8 percent to $49.5 billion. This is the fourth consecutive increase. Fabricated metal products, up four consecutive months, increased $0.7 billion or 3.5 percent to $21.0 billion. Electronic and other electrical equipment increased $0.3 billion or 0.8 percent to $38.3 billion. Industrial machinery and equipment decreased $0.9 billion or 2.1 percent to $39.4 billion.

New orders for nondurable goods, up six of the last seven months, increased $2.3 billion or 1.5 percent to $156.6 billion. Petroleum and coal products, chemicals and allied products, and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in August increased $3.2 billion or 1.6 percent to $206.5 billion, revised from the previously published 1.3 percent increase. This is the thirteenth increase in the last fifteen months. Transportation equipment, led by aircraft and parts, had the largest increase, $2.6 billion or 5.3 percent to $51.4 billion. This is the largest increase since August 1998. Fabricated metal products increased $0.4 billion or 2.1 percent to $20.8 billion. Industrial machinery and equipment decreased $0.3 billion or 0.8 percent to $39.1 billion.

Shipments of nondurable goods increased $1.7 billion or 1.1 percent to $155.8 billion. This is the sixth increase in the last seven months. Petroleum and coal products, up seven consecutive months, increased $0.6 billion or 3.9 percent to $15.1 billion. Chemicals and allied products, up four consecutive months, increased $0.5 billion or 1.3 percent to $35.0 billion.

Unfilled Orders

Unfilled orders for durable goods in August increased $1.5 billion or 0.3 percent to $497.7 billion, unrevised from the previously published 0.3 percent increase. Electronic and other electrical equipment had the largest increase, $2.8 billion or 4.1 percent to $71.6 billion, due to electronic components. This is the ninth consecutive increase. Primary metals, up seven consecutive months, increased $0.4 billion or 1.4 percent to $31.9 billion. Transportation equipment, led by aircraft and parts, decreased $1.9 billion or 0.8 percent to $228.2 billion. This is the fourteenth decrease in the last sixteen months.

Inventories

Inventories of durable goods in August, down eight of the last ten months, decreased $0.8 billion or 0.3 percent to $292.7 billion.

Transportation equipment, down eight of the last ten months, had the largest decrease, $1.4 billion or 1.9 percent to $71.0 billion. Industrial machinery and equipment, up for the first time since March, increased $0.2 billion or 0.4 percent to $60.0 billion.

Inventories of nondurable goods, up five of the last six months, increased $0.4 billion or 0.2 percent to $171.9 billion. Petroleum and related products, up six consecutive months, had the largest increase, $0.4 billion or 3.5 percent to $11.5 billion.

By stage of fabrication, August finished goods increased 1.0 percent in durables and 0.8 percent in nondurables. Work in process decreased 1.0 percent in durables and 0.8 percent in nondurables. Materials and supplies decreased 0.4 percent in durables and slightly in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for September is scheduled for October 27, 1999 at 8:30 a.m. and the full report on November 3, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98	1999[p]	1998
All manufacturing industries	362,270	357,301	354,702	+1.4	+0.7	+1.2	363,931	320,282	380,057	337,377	+7.9	2,775,465	2,653,937
Manufacturing Industries													
with unfilled orders	207,269	204,202	201,266	+1.5	+1.5	0.0	205,560	181,081	218,997	191,882	+7.1	1,578,096	1,516,822
without defense capital goods	355,775	350,717	348,424	+1.4	+0.7	+1.3	357,708	314,532	373,323	330,915	+8.1	2,724,699	2,603,099
Durable goods industries	206,516	203,268	200,990	+1.6	+1.1	+0.8	204,053	171,249	219,424	186,058	+9.7	1,569,040	1,474,874
With unfilled orders	169,553	166,506	163,833	+1.8	+1.6	-0.1	166,374	144,441	180,447	152,886	+8.8	1,283,924	1,219,249
Stone, clay, and glass products	8,824	8,578	8,579	+2.9	0.0	+1.8	9,360	8,641	9,324	8,424	+11.1	68,027	63,382
Primary metals	15,132	14,903	14,677	+1.5	+1.5	+1.0	15,231	13,574	15,501	14,961	+1.8	117,394	123,725
Blast furnaces, steel mills	5,831	5,681	5,615	+2.6	+1.2	-0.2	5,896	5,169	5,933	6,058	-2.7	45,388	50,694
Iron and steel foundries	1,563	1,566	1,536	-0.2	+2.0	+2.1	1,587	1,321	1,636	1,495	+6.2	12,344	12,106
Nonferrous and other primary metals	7,738	7,656	7,526	+1.1	+1.7	+1.8	7,748	7,084	7,932	7,408	+4.6	59,662	60,925
Fabricated metal products	20,824	20,394	20,544	+2.1	-0.7	+0.7	21,311	18,208	21,800	20,575	+3.6	163,027	157,437
Industrial machinery and equipment	39,104	39,434	37,308	-0.8	+5.7	-0.6	36,534	34,097	44,097	34,028	+7.4	296,763	291,523
Engines and turbines	2,724	2,566	2,470	+6.2	+3.9	-1.1	2,457	1,860	2,913	2,008	+22.4	18,793	17,185
Farm and garden machinery	1,822	1,761	1,763	+3.5	-0.1	-2.4	1,487	1,420	1,805	1,562	-4.8	16,314	17,917
Construction, mining and material handling equipment	3,729	3,788	3,869	-1.6	-2.1	+1.4	3,569	3,544	4,359	4,120	-13.4	31,549	34,500
Metalworking machinery	3,762	3,635	3,549	+3.5	+2.4	-3.1	3,626	3,054	3,919	3,298	+9.9	27,160	26,343
Computer and office equipment	12,321	13,126	11,164	-6.1	+17.6	-3.2	11,169	10,641	14,920	9,818	+13.8	88,320	81,611
Electronic and other electrical equipment	35,487	35,373	34,196	+0.3	+3.4	+1.1	34,362	30,909	37,380	30,345	+13.2	260,498	235,919
Electrical transmission and distribution equipment and industrial apparatus	4,133	3,970	3,712	+4.1	+7.0	-2.8	4,088	3,582	4,075	3,633	+12.5	30,182	28,938
Household appliances	2,455	2,418	2,347	+1.5	+3.0	+0.2	2,474	2,253	2,729	2,097	+18.0	18,940	16,550
Electric lighting and wiring equipment	2,527	2,447	2,509	+3.3	-2.5	+5.5	2,526	2,046	2,612	2,219	+13.8	18,477	17,350
Household audio and video equipment	1,094	1,119	1,078	-2.2	+3.8	-1.3	1,138	998	990	1,065	+6.9	7,856	7,46
Communications equipment	8,773	8,856	8,528	-0.9	+3.8	+1.8	7,798	7,530	10,054	6,321	+23.4	62,299	52,06
Electronic components	14,165	14,266	13,726	-0.7	+3.9	+1.5	14,032	12,711	14,550	12,855	+9.2	105,682	97,45
Transportation equipment	51,416	48,816	49,781	+5.3	-1.9	+1.8	51,598	32,698	52,128	44,265	+16.6	383,406	339,36
Motor vehicles and parts	35,241	34,550	34,813	+2.0	-0.8	+6.4	35,843	20,450	36,080	30,383	+18.0	263,745	230,34
Aircraft, missiles, space vehicles, and parts	12,661	10,879	11,317	+16.4	-3.9	-11.2	12,101	9,299	12,080	10,505	+15.2	92,625	84,77
Shipbuilding and tanks	1,073	981	910	+9.4	+7.8	-8.9	1,058	903	971	1,003	+5.5	7,635	7,29
Instruments and related products	14,433	14,340	14,611	+0.6	-1.9	+2.1	13,945	12,834	16,166	13,346	+4.5	112,244	109,60
Search and navigation equipment	3,145	3,207	3,200	-1.9	+0.2	0.0	3,022	2,877	3,461	3,038	-0.5	24,673	23,76
Measuring and controlling devices	4,222	4,165	4,118	+1.4	+1.1	+1.0	4,180	3,669	4,435	3,780	+10.6	32,435	32,04
Medical instruments and supplies	4,744	4,696	4,943	+1.0	-5.0	+3.8	4,526	4,221	5,565	4,215	+7.4	37,341	35,03
Photographic goods	1,824	1,813	1,873	+0.6	-3.2	+5.2	1,719	1,619	2,176	1,866	-7.9	13,927	15,11
All other durable goods	21,296	21,430	21,294	-0.6	+0.6	-1.0	21,712	20,288	23,028	20,114	+7.9	167,681	153,91
Nondurable goods industries	155,754	154,033	153,712	+1.1	+0.2	+1.7	159,878	149,033	160,633	151,319	+5.7	1,206,425	1,179,06
With unfilled orders	37,716	37,696	37,433	+0.1	+0.7	+0.7	39,186	36,640	38,550	38,996	+0.5	294,172	297,57
Food and kindred products	41,624	41,309	42,055	+0.8	-1.8	+1.4	42,380	39,577	43,209	41,924	+1.1	328,052	321,41
Meat products	8,982	8,775	9,040	+2.4	-2.9	+3.9	9,375	8,678	9,345	9,148	+2.5	69,666	69,46
Dairy products	6,412	6,273	6,475	+2.2	-3.1	+1.0	6,421	5,909	6,668	6,330	+1.4	51,074	48,18
Beverages	6,374	6,314	6,324	+1.0	-0.2	+1.0	6,880	6,621	7,183	6,553	+5.0	50,954	49,12
All other foods, except fats and oils	18,132	18,246	18,398	-0.6	-0.8	+0.4	17,980	16,668	18,195	17,843	+0.8	141,652	138,08
Tobacco products	4,283	4,265	4,230	+0.4	+0.8	+4.1	4,319	4,157	4,501	3,611	+19.6	33,269	27,18
Textile mill products	6,472	6,540	6,447	-1.0	+1.4	-1.3	6,853	6,045	7,019	7,040	-2.7	51,609	54,30
Broadwoven fabrics and other textiles	3,664	3,713	3,732	-1.3	-0.5	-0.8	3,768	3,253	4,034	4,086	-7.8	29,681	32,97
Paper and allied products	13,895	13,575	13,460	+2.4	+0.9	+0.5	14,151	13,208	14,038	14,037	+0.8	107,968	111,16
Pulp, paper, and paperboard mill products	5,441	5,244	5,192	+3.8	+1.0	+3.0	5,566	5,162	5,366	5,383	+3.4	41,423	43,16
Paperboard containers and boxes	3,545	3,391	3,329	+4.5	+1.9	+1.9	3,642	3,275	3,439	3,666	-0.7	26,909	29,03
Miscellaneous converted paper products	4,909	4,940	4,939	0.6	0.0	-2.8	4,943	4,771	5,233	4,988	-0.9	39,636	38,95
Chemicals and allied products	35,026	34,569	34,483	+1.3	+0.2	+2.7	34,565	33,033	36,988	31,647	+9.2	271,697	261,74
Industrial chemicals	15,256	15,267	15,070	-0.1	+1.3	+2.8	15,363	14,960	16,047	14,726	+4.3	120,085	122,40
Drugs, soaps, and toiletries	15,746	15,448	15,446	+1.9	0.0	+2.3	15,582	14,495	16,369	13,690	+13.8	118,216	105,85
Petroleum and coal products	15,131	14,563	13,703	+3.9	+6.3	+5.0	16,209	15,083	14,467	12,364	+31.1	104,128	99,21
Rubber and plastics products	13,757	13,376	13,609	+2.8	-1.7	+0.9	14,053	12,292	14,495	13,451	+4.5	109,133	105,79
All other nondurable goods	25,566	25,836	25,725	-1.0	+0.4	+0.5	27,348	25,638	25,916	27,245	+0.4	200,569	198,24

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

See note at end of table 2 relating to survey error and revision

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98	1999[p]	1998
All manufacturing industries	364,673	359,903	351,128	+1.3	+2.5	+0.8	365,478	328,590	370,797	335,916	+8.8	2,787,337	2,652,209
Manufacturing industries													
with unfilled orders	209,672	206,804	197,692	+1.4	+4.6	-0.6	207,107	189,389	209,737	190,421	+8.8	1,589,968	1,515,094
without defense capital goods	359,522	353,427	345,919	+1.7	+2.2	+1.1	361,896	323,524	365,884	332,342	+8.9	2,741,221	2,608,581
Durable goods industries	208,025	205,532	197,084	+1.2	+4.3	+0.2	204,869	178,540	209,554	185,341	+10.5	1,577,361	1,473,391
With unfilled orders	171,062	168,770	159,927	+1.4	+5.5	-0.8	167,190	151,732	170,577	152,169	+9.9	1,292,245	1,217,766
Stone, clay, and glass products	8,793	8,520	8,527	+3.2	-0.1	+1.7	9,293	8,593	9,266	8,345	+11.4	67,967	63,688
Primary metals	15,579	15,730	15,206	-1.0	+3.4	+2.7	15,474	14,435	15,295	14,148	+9.4	120,334	120,662
Blast furnaces, steel mills	6,072	5,872	5,885	+3.4	-0.2	+0.4	5,975	5,307	5,829	5,356	+11.6	47,006	48,937
Iron and steel foundries	1,648	1,621	1,400	+1.7	+15.8	+2.9	1,674	1,334	1,425	1,564	+7.0	11,914	12,215
Nonferrous and other primary metals	7,859	8,237	7,921	-4.6	+4.0	+4.4	7,825	7,794	8,041	7,228	+8.3	61,414	59,510
Fabricated metal products	20,993	20,286	20,284	+3.5	0.0	+0.4	21,394	18,325	21,509	20,076	+6.6	163,179	157,876
Industrial machinery and equipment	39,401	40,257	36,435	-2.1	+10.5	-3.6	36,779	35,206	42,284	34,642	+6.2	301,085	290,603
Engines and turbines	2,994	2,906	1,942	+3.0	+49.6	-31.0	2,887	2,428	2,394	3,423	-15.7	22,564	17,557
Construction, mining and material handling equipment	3,619	3,695	3,621	-2.1	+2.0	-2.7	3,260	3,235	3,900	3,503	-6.9	30,466	34,403
Metalworking machinery	3,809	3,925	3,427	-3.0	+14.5	-6.9	3,673	3,344	3,797	3,313	+10.9	27,732	26,529
Computer and office equipment	12,410	13,281	11,280	-6.6	+17.7	-2.9	11,256	11,047	14,774	9,897	+13.7	89,053	82,143
Electronic and other electrical equipment	38,289	37,976	35,158	+0.8	+8.0	+3.2	38,014	37,743	35,607	29,587	+28.5	276,371	242,309
Electrical transmission and distribution equipment and industrial apparatus	4,445	4,047	3,736	+9.8	+8.3	-3.5	4,436	3,671	3,995	3,634	+22.1	30,859	28,871
Electric lighting and wiring equipment	2,465	2,523	2,686	-2.3	-6.1	+20.4	2,464	2,122	2,789	2,198	+12.1	18,768	17,609
Communications equipment	8,425	8,899	8,640	-5.3	+3.0	+3.2	7,426	7,578	10,145	6,084	+22.1	63,002	54,521
Electronic components	17,148	16,694	14,305	+2.7	+16.7	+1.4	17,712	19,370	12,566	12,314	+43.8	120,009	101,318
Transportation equipment	49,487	47,235	46,253	+4.8	+2.1	+1.1	48,696	31,078	47,846	45,717	+6.5	368,074	336,533
Aircraft, missiles, space vehicles, and parts	11,436	10,302	9,117	+11.0	+13.0	-12.1	9,850	8,490	9,138	11,650	-15.5	80,942	83,259
Shipbuilding and tanks	614	680	275	-9.7	147.3	-52.5	578	575	432	456	+26.8	7,005	5,802
Instruments and related products	14,237	14,166	13,887	+0.5	+2.0	-3.4	13,683	12,629	14,925	12,764	+7.2	111,672	107,485
Search and navigation equipment	2,874	2,875	3,091	0.0	-7.0	-0.5	2,504	2,196	3,363	2,433	+2.9	23,796	21,597
Measuring and controlling devices	4,124	4,165	4,071	-1.0	+2.3	+1.0	4,082	3,669	4,388	3,806	+7.3	32,477	31,473
Medical instruments and supplies	4,901	4,836	4,400	+1.3	+9.9	-12.1	4,872	4,683	4,498	4,237	+15.0	37,715	36,253
All other durable goods	21,246	21,362	21,334	-0.5	+0.1	+0.4	21,536	20,531	22,822	20,062	+7.3	168,679	154,235
Nondurable goods industries	156,648	154,371	154,044	+1.5	+0.2	+1.6	160,609	150,050	161,243	150,575	+6.7	1,209,976	1,178,818
With unfilled orders	38,610	38,034	37,765	+1.5	+0.7	+0.4	39,917	37,657	39,160	38,252	+4.4	297,723	297,328

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percei chang
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug 99/98
All manufacturing industries	523,069	520,666	518,064	+0.5	+0.5	-0.7	524,858	523,311	515,003	529,830	-0.9
Manufacturing industries without defense capital goods	430,615	426,868	424,158	+0.9	+0.6	-0.6	433,795	429,607	420,615	434,824	-0.
Durable goods industries	497,661	496,152	493,888	+0.3	+0.5	-0.8	498,361	497,545	490,254	504,851	-1.
Stone, clay, and glass products	5,993	6,024	6,082	-0.5	-1.0	-0.8	6,011	6,078	6,126	6,482	-7.
Primary metals	31,943	31,496	30,669	+1.4	+2.7	+1.8	31,787	31,544	30,683	31,275	+1.
Blast furnaces, steel mills	12,775	12,534	12,343	+1.9	+1.5	+2.2	12,653	12,574	12,436	12,601	+0.
Iron and steel foundries	4,978	4,893	4,838	+1.7	+1.1	-2.7	4,922	4,835	4,822	5,585	-11.
Nonferrous and other primary metals	14,190	14,069	13,488	+0.9	+4.3	+3.0	14,212	14,135	13,425	13,089	+8.
Fabricated metal products	25,369	25,200	25,308	+0.7	-0.4	-1.0	25,586	25,503	25,386	26,789	-4.
Industrial machinery and equipment	79,356	79,059	78,236	+0.4	+1.1	-1.1	78,763	78,518	77,409	72,505	+8.
Engines and turbines	22,785	22,515	22,175	+1.2	+1.5	-2.3	22,496	22,066	21,498	12,906	+74.
Construction, mining and material handling equipment	8,885	8,995	9,088	-1.2	-1.0	-2.7	8,550	8,859	9,168	10,269	-16.
Metalworking machinery	7,018	6,971	6,681	+0.7	+4.3	-1.8	7,018	6,971	6,681	7,335	-4.
Computer and office equipment	8,428	8,339	8,184	+1.1	+1.9	+1.4	8,674	8,587	8,181	8,164	+6.
Electronic and other electrical equipment	71,550	68,748	66,145	+4.1	+3.9	+1.5	73,679	70,027	63,193	59,696	+23.
Electrical transmission and distribution equipment and industrial apparatus	6,819	6,507	6,430	+4.8	+1.2	+0.4	6,858	6,510	6,421	6,451	+6
Electric lighting and wiring equipment	5,313	5,375	5,299	-1.2	+1.4	+3.5	5,313	5,375	5,299	5,186	+2
Communications equipment	17,808	18,156	18,113	-1.9	+0.2	+0.6	17,760	18,132	18,084	16,790	+5
Electronic components	35,854	32,871	30,443	+9.1	+8.0	+1.9	37,982	34,302	27,643	25,408	+49
Transportation equipment	228,235	230,164	231,745	-0.8	-0.7	-1.5	227,252	230,154	231,774	251,682	-9
Aircraft, missiles, space vehicles, and parts	193,361	194,586	195,163	-0.6	-0.3	-1.1	192,325	194,576	195,385	216,604	-11
Shipbuilding and tanks	18,668	19,127	19,428	-2.4	-1.5	-3.2	18,692	19,172	19,500	16,938	+10
Instruments and related products	46,853	47,049	47,223	-0.4	-0.4	-1.5	46,613	46,875	47,080	48,013	-2
Search and navigation equipment	25,858	26,129	26,461	-1.0	-1.3	-0.4	25,551	26,069	26,750	27,080	-5
Measuring and controlling devices	10,227	10,325	10,325	-0.9	0.0	-0.5	10,227	10,325	10,325	10,283	-0
Medical instruments and supplies	9,898	9,741	9,601	+1.6	+1.5	-5.4	9,960	9,614	9,152	9,640	+3
All other durable goods	8,362	8,412	8,480	-0.6	-0.8	+0.5	8,670	8,846	8,603	8,409	+3
Nondurable goods industries	25,408	24,514	24,176	+3.6	+1.4	+1.4	26,497	25,766	24,749	24,979	+6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98
All manufacturing industries	464,617	465,043	462,690	-0.1	+0.5	-0.2	468,000	466,515	460,432	471,596	-0.8
lanufacturing industries											
vith unfilled orders	308,363	309,105	307,649	-0.2	+0.5	-0.3	312,454	311,801	307,382	318,882	-2.0
vithout defense capital goods	446,088	446,435	444,400	-0.1	+0.5	-0.2	449,045	447,493	442,120	452,163	-0.7
urable goods industries	292,707	293,505	291,645	-0.3	+0.6	-0.3	295,850	294,990	290,135	299,838	-1.3
With unfilled orders	267,992	268,648	266,959	-0.2	+0.6	-0.4	271,384	270,591	266,314	276,614	-1.9
tone, clay, and glass products	9,618	9,473	9,395	+1.5	+0.8	+0.1	9,582	9,514	9,511	9,118	+5.1
rimary metals	23,639	23,693	23,674	-0.2	+0.1	-0.4	23,758	23,797	23,498	24,933	-4.7
Blast furnaces, steel mills	11,321	11,396	11,468	-0.7	-0.6	-1.1	11,411	11,451	11,262	12,485	-8.6
Iron and steel foundries	1,600	1,605	1,611	-0.3	-0.4	-0.4	1,568	1,591	1,638	1,556	+0.8
Nonferrous and other primary metals	10,718	10,692	10,595	+0.2	+0.9	+0.5	10,779	10,755	10,598	10,892	-1.0
abricated metal products	31,095	31,005	30,740	+0.3	+0.9	-0.9	31,136	31,198	31,023	30,970	+0.5
dustrial machinery and equipment	60,003	59,791	59,867	+0.4	-0.1	-0.8	60,793	59,753	59,347	61,693	-1.5
Engines and turbines	4,493	4,490	4,273	+0.1	+5.1	-2.0	4,691	4,550	4,146	4,320	+8.6
Farm and garden machinery	3,507	3,530	3,601	-0.7	-2.0	-0.7	3,255	3,261	3,385	3,486	-6.6
Construction, mining and material handling equipment	8,844	8,877	8,879	-0.4	0.0	-1.0	8,738	8,781	8,903	8,692	+0.5
Metalworking machinery	8,058	8,010	8,112	+0.6	-1.3	+0.7	8,455	8,218	8,100	8,285	+2.1
Computer and office equipment	9,135	8,765	9,004	+4.2	-2.7	+0.5	9,719	8,916	8,999	9,984	-2.7
ectronic and other lectrical equipment	41,285	41,221	40,997	+0.2	+0.5	+0.4	42,080	41,832	41,032	41,197	+2.1
Electrical transmission and distribution equipment and industrial apparatus	5,258	5,242	5,214	+0.3	+0.5	-0.6	5,264	5,226	5,124	5,309	-0.8
Household appliances	2,327	2,384	2,410	-2.4	-1.1	-1.1	2,280	2,399	2,446	2,342	-2.6
Electric lighting and wiring equipment	3,588	3,570	3,566	+0.5	+0.1	+0.9	3,681	3,664	3,607	3,561	+3.4
Household audio and video equipment	1,013	1,136	1,043	-10.8	+8.9	+6.3	1,122	1,268	1,049	1,109	+1.2
Communications equipment	10,778	10,749	10,731	+0.3	+0.2	+0.6	11,073	10,929	10,624	10,596	+4.5
Electronic components	14,697	14,481	14,453	+1.5	+0.2	-0.2	14,894	14,552	14,521	14,547	+2.4
ansportation equipment	71,000	72,403	71,596	-1.9	+1.1	-0.3	71,892	72,709	70,500	76,819	-6.4
Motor vehicles and parts	17,639	17,677	17,597	-0.2	+0.5	+2.1	17,951	17,939	17,125	16,842	+6.6
Aircraft, missiles, space vehicles, and parts	47,170	48,623	48,037	-3.0	+1.2	-1.3	47,669	48,611	47,431	54,179	-12.0
Shipbuilding and tanks	2,272	2,224	2,208	+2.2	+0.7	+6.3	2,277	2,220	2,221	1,828	+24.6
truments and related products	27,104	26,930	26,587	+0.6	+1.3	-0.2	27,612	27,276	26,663	27,121	+1.8
Search and navigation equipment	6,785	6,788	6,691	0.0	+1.4	-1.2	6,978	7,015	6,737	6,890	+1.3
Measuring and controlling devices	8,282	8,122	8,023	+2.0	+1.2	+0.7	8,427	8,191	8,102	8,212	+2.6
Medical instruments and supplies	8,873	8,838	8,724	+0.4	+1.3	+0.6	9,009	8,899	8,693	8,614	+4.6
Photographic goods	2,417	2,433	2,424	-0.7	+0.4	-3.3	2,454	2,423	2,403	2,695	-8.9
other durable goods	28,963	28,989	28,789	-0.1	+0.7	+0.4	28,997	28,911	28,561	27,987	+3.6
ndurable goods industries	171,910	171,538	171,045	+0.2	+0.3	-0.2	172,150	171,525	170,297	171,758	+0.2
With unfilled orders	40,371	40,457	40,690	-0.2	-0.6	+0.3	41,070	41,210	41,068	42,268	-2.8
od and kindred products	38,117	38,019	38,037	+0.3	0.0	-0.4	37,813	36,946	36,600	36,828	+2.7
Meat products	4,330	4,285	4,254	+1.1	+0.7	+1.0	4,248	4,304	4,329	3,956	+7.4
Dairy products	3,922	3,875	3,875	+1.2	0.0	-0.3	3,986	3,998	3,938	3,844	+3.7
Beverages	8,754	8,695	8,797	+0.7	-1.2	+0.2	8,528	8,459	8,678	7,993	+6.7
All other foods, except fats and oils	19,542	19,537	19,409	0.0	+0.7	-0.8	19,633	18,630	18,013	19,368	+1.4
bacco products	5,151	5,160	5,208	-0.2	-0.9	-1.9	4,805	4,645	4,750	5,234	-8.2
xtile mill products	10,056	10,026	10,107	+0.3	-0.8	+0.6	10,142	10,163	10,193	10,317	-1.7
Broadwoven fabrics and other textiles	6,144	6,116	6,171	+0.5	-0.9	-0.2	6,169	6,167	6,170	6,389	-3.4
ber and allied products	15,890	16,009	16,070	-0.7	-0.4	+0.3	15,862	15,971	16,066	16,602	-4.5
Pulp, paper, and paperboard mill products	6,329	6,408	6,473	-1.2	-1.0	-0.6	6,300	6,350	6,428	6,704	-6.0
Paperboard containers and boxes	4,025	3,974	3,942	+1.3	+0.8	+0.4	4,031	3,981	3,943	4,320	-6.7
Miscellaneous converted paper products	5,536	5,627	5,655	-1.6	-0.5	+1.3	5,531	5,640	5,695	5,578	-0.8
emicals and allied products	46,716	46,848	46,581	-0.3	+0.6	-0.7	46,628	47,019	46,543	46,489	+0.3
ndustrial chemicals	19,405	19,404	19,113	0.0	+1.5	-0.6	19,429	19,444	18,956	20,284	-4.2
Drugs, soaps, and toiletries	21,388	21,523	21,581	-0.6	-0.3	-0.9	21,595	21,929	21,949	20,806	+3.8
troleum and coal products	11,536	11,144	10,814	+3.5	+3.1	+1.0	11,713	11,275	10,985	10,828	+8.2
bber and plastics products	17,156	17,050	16,902	+0.6	+0.9	0.0	17,000	17,061	16,930	16,508	+3.0
other nondurable goods	27,288	27,282	27,326	0.0	-0.2	+0.3	28,187	28,445	28,230	28,952	-2.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	362,270	357,301	354,702	+1.4	+0.7	+1.2	363,931	320,282	380,057	337,377	+7.9	2,775,465	2,653,937
Market categories :													
Automotive equipment	17,045	16,809	16,967	+1.4	-0.9	+6.5	17,429	10,180	17,746	15,005	+16.2	128,035	111,822
Home goods and apparel	20,054	20,035	19,645	+0.1	+2.0	-1.7	21,176	18,725	20,592	20,034	+5.7	156,203	148,592
Consumer staples	74,926	74,010	74,050	+1.2	-0.1	+2.0	76,641	71,795	77,136	70,871	+8.1	573,976	544,591
Machinery and equipment	70,551	69,036	68,232	+2.2	+1.2	0.0	67,132	57,136	77,374	60,645	+10.7	529,725	496,638
Business supplies	26,888	26,701	26,505	+0.7	+0.7	+0.7	27,081	25,331	27,806	25,674	+5.5	208,144	201,677
Construction materials and supplies	23,497	23,376	23,303	+0.5	+0.3	+1.9	24,695	23,137	25,145	22,766	+8.5	182,816	171,980
Defense products	6,710	6,785	6,565	-1.1	+3.4	-4.1	6,478	6,022	7,025	6,784	-4.5	52,776	53,610
Other materials, supplies and and intermediate products	122,599	120,549	119,435	+1.7	+0.9	+1.3	123,299	107,956	127,233	115,598	+6.7	943,790	925,027
Durable goods industries :													
Nondefense capital goods [3]	57,577	56,095	54,472	+2.6	+3.0	-1.9	53,933	48,646	63,559	47,823	+12.8	424,962	396,860
Excluding aircraft and parts	48,360	48,774	46,459	-0.8	+5.0	+0.2	45,168	42,377	54,986	40,798	+10.7	359,389	338,987
Defense capital goods [4]	6,495	6,584	6,278	-1.4	+4.9	-5.9	6,223	5,750	6,734	6,462	-3.7	50,766	50,831
Durables excluding capital goods	142,444	140,589	140,240	+1.3	+0.2	+2.2	143,897	116,853	149,131	131,773	+9.2	1,093,312	1,027,170
Miscellaneous series :													
Producers' durable equipment	135,651	133,226	131,602	+1.8	+1.2	+1.0	132,498	106,291	145,448	119,098	+11.3	1,024,272	950,851
Household durable goods	10,699	10,585	10,262	+1.1	+3.1	-1.5	10,715	9,206	10,937	9,288	+15.4	80,798	72,300
Information technology industries	28,073	28,928	26,666	-3.0	+8.5	-0.2	25,810	24,338	32,606	22,636	+14.0	204,372	187,057
Health care equipment and products	13,277	13,063	13,317	+1.6	-1.9	+2.8	12,975	12,061	14,439	11,654	+11.3	101,495	92,57[illegible]
NEW ORDERS													
All manufacturing industries	364,673	359,903	351,128	+1.3	+2.5	+0.8	365,478	328,590	370,797	335,916	+8 8	2,787,337	2,652,20[illegible]
Market categories :													
Automotive equipment	17,046	16,797	16,986	+1.5	-1.1	+6.5	17,465	10,209	17,737	14,994	+16.5	128,140	111,68[illegible]
Home goods and apparel	20,008	20,081	19,580	-0.4	+2.6	-0.2	20,978	19,021	20,340	20,143	+4.1	156,987	148,56[illegible]
Consumer staples	75,118	74,014	74,127	+1.5	-0.2	+2.0	76,878	72,218	77,462	70,786	+8.6	575,095	545,19[illegible]
Machinery and equipment	69,222	68,011	64,842	+1.8	+4.9	-1.9	65,693	56,557	72,751	63,811	+2.9	523,146	502,56[illegible]
Business supplies	27,124	26,729	26,481	+1.5	+0.9	+0.4	27,361	25,580	27,784	25,567	+7.0	209,432	202,44[illegible]
Construction materials and supplies	23,493	23,499	23,502	0.0	0.0	+3.4	24,591	23,265	25,340	22,543	+9.1	183,670	172,40[illegible]
Defense products	5,347	6,709	5,492	-20.3	+22.2	-9.8	3,884	5,475	5,240	4,068	-4.5	48,138	46,12[illegible]
Other materials, supplies and and intermediate products	127,315	124,063	120,118	+2.6	+3.3	+1.1	128,628	116,265	124,143	114,004	+12.8	962,729	923,22[illegible]
Durable goods industries :													
Nondefense capital goods [3]	56,926	55,030	50,948	+3.4	+8.0	-3.9	53,204	47,804	59,120	51,767	+2.8	418,274	401,43[illegible]
Excluding aircraft and parts	48,266	48,763	44,540	-1.0	+9.5	-3.3	44,996	42,589	52,152	41,663	+8.0	362,124	340,39[illegible]
Defense capital goods [4]	5,151	6,476	5,209	-20.5	+24.3	-13.5	3,582	5,066	4,913	3,574	+0.2	46,116	43,621
Durables excluding capital goods	145,948	144,026	140,927	+1.3	+2.2	+2.5	148,083	125,670	145,521	130,000	+13.9	1,112,971	1,028,33[illegible]
Miscellaneous series :													
Producers' durable equipment	133,824	131,905	128,463	+1.5	+2.7	+0.6	130,774	106,225	140,467	121,434	+7.7	1,017,074	955,03[illegible]
Household durable goods	10,582	10,652	10,258	-0.7	+3.8	+2.0	10,563	9,557	10,759	9,443	+11.9	81,245	71,931
Information technology industries	27,594	28,962	26,823	-4.7	+8.0	+0.4	25,327	24,636	32,474	22,290	+13.6	205,919	189,060
Health care equipment and products	13,433	13,203	12,775	+1.7	+3.4	-3.2	13,320	12,524	13,374	11,675	+14.1	101,874	93,79[illegible]

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus, communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug.	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98
UNFILLED ORDERS											
All manufacturing industries	523,069	520,666	518,064	+0.5	+0.5	-0.7	524,858	523,311	515,003	529,830	-0.9
Market categories :											
Automotive equipment	2,494	2,493	2,505	0.0	-0.5	+0.8	2,510	2,474	2,445	2,351	+6.8
Home goods and apparel	8,910	8,956	8,911	-0.5	+0.5	-0.7	9,095	9,293	8,997	8,526	+6.7
Consumer staples	2,889	2,697	2,693	+7.1	+0.1	+2.9	3,381	3,145	2,721	2,655	+27.3
Machinery and equipment	233,988	235,318	236,343	-0.6	-0.4	-1.4	233,991	235,429	236,008	248,666	-5.9
Business supplies	7,378	7,142	7,114	+3.3	+0.4	-0.3	7,809	7,529	7,279	7,200	+8.5
Construction materials and supplies	18,038	18,042	17,919	0.0	+0.7	+1.1	18,094	18,198	18,071	18,051	+0.2
Defense products	87,623	88,985	89,061	-1.5	-0.1	-1.2	86,277	88,871	89,418	90,059	-4.2
Other materials, supplies and and intermediate products	161,749	157,033	153,518	+3.0	+2.3	+0.4	163,701	158,372	150,064	152,322	+7.5
urable goods industries :											
Nondefense capital goods [3]	250,884	251,535	252,600	-0.3	-0.4	-1.4	250,394	251,123	251,965	265,781	-5.8
Excluding aircraft and parts	109,802	109,896	109,907	-0.1	0.0	-1.7	109,312	109,484	109,272	104,577	+4.5
Defense capital goods [4]	92,454	93,798	93,906	-1.4	-0.1	-1.1	91,063	93,704	94,388	95,006	-4.2
Durables excluding capital goods	154,323	150,819	147,382	+2.3	+2.3	+0.5	156,904	152,718	143,901	144,064	+8.9
iscellaneous series :											
Producers' durable equipment	272,196	274,023	275,344	-0.7	-0.5	-1.1	272,306	274,030	274,096	287,287	-5.2
Household durable goods	5,491	5,608	5,541	-2.1	+1.2	-0.1	5,608	5,760	5,409	5,415	+3.6
Information technology industries	40,420	40,899	40,865	-1.2	+0.1	+0.4	40,663	41,146	40,848	39,977	+1.7
Health care equipment and products	9,940	9,783	9,643	+1.6	+1.5	-5.3	10,004	9,659	9,195	9,682	+3.3
TOTAL INVENTORIES											
ll manufacturing industries	464,617	465,043	462,690	-0.1	+0.5	-0.2	468,000	466,515	460,432	471,596	-0.8
rket categories :											
Automotive equipment	8,818	8,876	8,817	-0.7	+0.7	+1.9	9,027	9,023	8,630	8,555	+5.5
Home goods and apparel	31,431	31,515	31,431	-0.3	+0.3	+0.3	32,043	32,439	32,272	32,355	-1.0
Consumer staples	74,590	74,397	74,284	+0.3	+0.2	-0.5	74,409	73,540	73,131	72,505	+2.6
Machinery and equipment	115,798	116,962	116,397	-1.0	+0.5	-0.5	117,282	117,099	115,171	122,311	-4.1
Business supplies	28,261	28,231	28,174	+0.1	+0.2	0.0	28,600	28,551	28,205	28,490	+0.4
Construction materials and supplies	29,539	29,438	29,218	+0.3	+0.8	+0.3	29,629	29,585	29,319	28,760	+3.0
Defense products	18,194	18,324	18,088	-0.7	+1.3	-0.2	18,564	18,710	18,116	19,105	-2.8
Other materials, supplies and and intermediate products	157,986	157,300	156,281	+0.4	+0.7	-0.3	158,446	157,568	155,588	159,515	-0.7
rable goods industries :											
Nondefense capital goods [3]	107,500	108,390	107,909	-0.8	+0.4	-0.8	109,098	108,615	106,922	114,503	-4.7
Excluding aircraft and parts	72,410	71,949	71,729	+0.6	+0.3	-0.5	73,811	72,516	71,343	73,188	+0.9
Defense capital goods [4]	18,529	18,608	18,290	-0.4	+1.7	-0.7	18,955	19,022	18,312	19,433	-2.5
Durables excluding capital goods	166,678	166,507	165,446	+0.1	+0.6	+0.2	167,797	167,353	164,901	165,902	+1.1
scellaneous series :											
Producers' durable equipment	189,250	190,148	189,119	-0.5	+0.5	-0.2	191,551	191,121	188,043	195,391	-2.0
Household durable goods	16,236	16,308	16,239	-0.4	+0.4	-0.7	16,523	16,634	16,411	16,459	+0.4
nformation technology industries	33,435	32,871	32,842	+1.7	+0.1	+0.3	34,565	33,393	32,801	33,956	+1.8
Health care equipment and products	20,453	20,488	20,402	-0.2	+0.4	-0.2	20,699	20,766	20,566	19,883	+4.1

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1999[p]	July 1999[r]	June 1999	July-Aug	June-July	May-June	Aug. 1999[p]	July 1999[r]	June 1999	Aug. 1998	Aug. 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	153,472	153,915	152,952	-0.3	+0.6	+0.1	153,787	154,458	151,818	155,901	-1.4
Durable goods industries	92,505	92,918	92,031	-0.4	+1.0	+0.4	93,277	93,582	91,023	93,739	-0.5
Stone, clay, and glass products	3,207	3,204	3,192	+0.1	+0.4	-0.3	3,232	3,205	3,184	3,110	+3.9
Primary metals	7,404	7,393	7,358	+0.1	+0.5	0.0	7,491	7,412	7,218	8,074	-7.2
Fabricated metal products	10,557	10,537	10,440	+0.2	+0.9	+0.4	10,602	10,579	10,427	10,682	-0.7
Industrial machinery and equipment	19,766	19,959	19,999	-1.0	-0.2	0.0	20,098	20,090	19,913	20,082	+0.1
Electronic and other electrical equipment	16,060	16,420	15,913	-2.2	+3.2	+2.2	16,309	16,793	15,720	15,947	+2.3
Transportation equipment	15,298	15,406	15,270	-0.7	+0.9	-0.2	15,261	15,662	15,116	15,535	-1.8
Instruments and related products	9,182	9,075	9,014	+1.2	+0.7	+1.1	9,294	9,117	9,039	9,388	-1.0
Lumber, furniture and miscellaneous durable goods	11,031	10,924	10,845	+1.0	+0.7	-0.8	10,990	10,724	10,406	10,921	+0.6
Nondurable goods industries	60,967	60,997	60,921	0.0	+0.1	-0.4	60,510	60,876	60,795	62,162	-2.7
Food and kindred products	11,585	11,543	11,593	+0.4	-0.4	-0.4	11,278	11,342	11,475	11,103	+1.6
Tobacco products	4,556	4,568	4,595	-0.3	-0.6	-1.4	4,333	4,209	4,292	4,619	-6.2
Textile mill products	2,864	2,828	2,873	+1.3	-1.6	+1.1	2,872	2,872	2,896	2,978	-3.6
Paper and allied products	7,688	7,713	7,707	-0.3	+0.1	+0.4	7,664	7,668	7,669	8,110	-5.5
Chemicals and allied products	15,445	15,654	15,476	-1.3	+1.2	-1.4	15,384	15,784	15,574	15,527	-0.9
Petroleum and coal products	3,251	3,262	3,249	-0.3	+0.4	+1.6	3,260	3,288	3,311	3,324	-1.9
Rubber and plastics products	6,985	6,916	6,855	+1.0	+0.9	+0.1	6,917	6,968	6,823	6,758	+2.4
Apparel, printing and publishing and leather goods	8,593	8,513	8,573	+0.9	-0.7	-0.4	8,802	8,745	8,755	9,743	-9.7
WORK IN PROCESS											
All manufacturing industries	145,624	147,073	146,609	-1.0	+0.3	-0.8	147,623	147,796	145,249	154,284	-4.3
Durable goods industries	115,525	116,737	116,056	-1.0	+0.6	-1.0	117,598	117,414	115,081	124,932	-5.9
Stone, clay, and glass products	1,521	1,469	1,453	+3.5	+1.1	+2.6	1,541	1,486	1,484	1,362	+13.1
Primary metals	8,108	8,166	8,195	-0.7	-0.4	-1.2	8,164	8,283	8,170	8,668	-5.8
Fabricated metal products	9,009	8,969	8,966	+0.4	0.0	-0.2	9,144	9,062	8,987	9,176	-0.3
Industrial machinery and equipment	21,790	21,839	21,709	-0.2	+0.6	-1.4	22,266	21,890	21,530	23,586	-5.6
Electronic and other electrical equipment	14,164	14,119	14,160	+0.3	-0.3	-1.9	14,416	14,232	14,294	14,470	-0.4
Transportation equipment	45,440	46,856	46,294	-3.0	+1.2	-0.7	46,206	46,818	45,257	52,093	-11.3
Instruments and related products	10,012	9,926	9,901	+0.9	+0.3	-1.0	10,283	10,185	9,957	10,213	+0.7
Lumber, furniture and miscellaneous durable goods	5,481	5,393	5,378	+1.6	+0.3	-1.0	5,578	5,458	5,402	5,364	+4.0
Nondurable goods industries	30,099	30,336	30,553	-0.8	-0.7	-0.2	30,025	30,382	30,168	29,352	+2.3
Food and kindred products	6,105	6,137	6,146	-0.5	-0.1	+0.5	5,612	5,636	5,665	5,176	+8.4
Tobacco products	76	82	82	-7.3	0.0	0.0	76	78	75	108	-29.6
Textile mill products	2,435	2,473	2,490	-1.5	-0.7	-0.8	2,444	2,491	2,464	2,681	-8.8
Paper and allied products	1,664	1,662	1,671	+0.1	-0.5	+1.8	1,672	1,670	1,691	1,621	+3.1
Chemicals and allied products	8,914	9,122	9,292	-2.3	-1.8	-2.6	8,995	9,314	9,397	8,792	+2.3
Petroleum and coal products	2,846	2,639	2,577	+7.8	+2.4	+0.2	2,902	2,636	2,586	2,491	+16.5
Rubber and plastics products	2,257	2,305	2,316	-2.1	-0.5	+1.0	2,256	2,280	2,260	2,229	+1.2
Apparel, printing and publishing and leather goods	5,802	5,916	5,979	-1.9	-1.1	+2.1	6,068	6,277	6,030	6,254	-3.0
FINISHED GOODS											
All manufacturing industries	165,521	164,055	163,129	+0.9	+0.6	0.0	166,590	164,261	163,365	161,411	+3.2
Durable goods industries	84,677	83,850	83,558	+1.0	+0.3	0.0	84,975	83,994	84,031	81,167	+4.7
Stone, clay, and glass products	4,890	4,800	4,750	+1.9	+1.1	-0.4	4,809	4,823	4,843	4,646	+3.5
Primary metals	8,127	8,134	8,121	-0.1	+0.2	+0.2	8,103	8,102	8,110	8,191	-1.1
Fabricated metal products	11,529	11,499	11,334	+0.3	+1.5	-2.5	11,390	11,557	11,609	11,112	+2.5
Industrial machinery and equipment	18,447	17,993	18,159	+2.5	-0.9	-0.9	18,429	17,773	17,904	18,025	+2.2
Electronic and other electrical equipment	11,061	10,682	10,924	+3.5	2.2	+0.9	11,355	10,807	11,018	10,780	+5.3
Transportation equipment	10,262	10,141	10,032	+1.2	+1.1	+1.6	10,425	10,229	10,127	9,191	+13.4
Instruments and related products	7,910	7,929	7,672	-0.2	+3.3	-0.7	8,035	7,974	7,667	7,520	+6.8
Lumber, furniture and miscellaneous durable goods	12,451	12,672	12,566	-1.7	+0.8	+2.2	12,429	12,729	12,753	11,702	+6.2
Nondurable goods industries	80,844	80,205	79,571	+0.8	+0.8	0.0	81,615	80,267	79,334	80,244	+1.7
Food and kindred products	20,427	20,339	20,298	+0.4	+0.2	-0.6	20,923	19,968	19,460	20,549	+1.8
Tobacco products	519	510	531	+1.8	-4.0	-5.9	396	358	383	507	-21.9
Textile mill products	4,757	4,725	4,744	+0.7	-0.4	+1.0	4,826	4,800	4,833	4,658	+3.6
Paper and allied products	6,538	6,634	6,692	-1.4	-0.9	-0.2	6,526	6,633	6,706	6,871	-5.0
Chemicals and allied products	22,357	22,072	21,813	+1.3	+1.2	+0.5	22,249	21,921	21,572	22,170	+0.4
Petroleum and coal products	5,439	5,243	4,988	+3.7	+5.1	+1.1	5,551	5,351	5,088	5,013	+10.7
Rubber and plastics products	7,914	7,829	7,731	+1.1	+1.3	-0.4	7,827	7,813	7,847	7,521	+4.1
Apparel, printing and publishing and leather goods	12,893	12,853	12,774	+0.3	+0.6	0.0	13,317	13,423	13,445	12,955	+2.8

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1999[p]	July 1999[r]	June 1999	May 1999	Aug. 1999[p]	July 1999[r]	June 1999	May 1999
All manufacturing industries	1.28	1.30	1.30	1.32	2.52	2.55	2.57	2.59
rable goods industries	1.42	1.44	1.45	1.47	2.94	2.98	3.01	3.03
tone, clay, and glass products	1.09	1.10	1.10	1.11	0.71	0.73	0.74	0.76
rimary metals	1.56	1.59	1.61	1.64	2.11	2.11	2.09	2.07
abricated metal products	1.49	1.52	1.50	1.52	1.29	1.31	1.31	1.33
ndustrial machinery and equipment	1.53	1.52	1.60	1.61	2.13	2.10	2.20	2.22
lectronic and other electrical equipment	1.16	1.17	1.20	1.21	2.02	1.94	1.93	1.93
ransportation equipment	1.38	1.48	1.44	1.47	8.12	8.96	8.78	8.65
nstruments and related products	1.88	1.88	1.82	1.86	3.25	3.28	3.23	3.35
ndurable goods industries	1.10	1.11	1.11	1.13	0.67	0.65	0.65	0.64
ood and kindred products	0.92	0.92	0.90	0.92	(X)	(X)	(X)	(X)
obacco products	1.20	1.21	1.23	1.31	(X)	(X)	(X)	(X)
extile mill products	1.55	1.53	1.57	1.54	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.14	1.18	1.19	1.20	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.33	1.36	1.35	1.40	(X)	(X)	(X)	(X)
etroleum and coal products	0.76	0.77	0.79	0.82	(X)	(X)	(X)	(X)
ubber and plastics products	1.25	1.27	1.24	1.25	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1999	Aug.[2] 1994-1998	Aug. 1998-July 1999	Aug.[1] 1999	Aug.[2] 1994-1998	Aug. 1998-July 1999	Aug.[1] 1999	Aug.[2] 1994-1998	Aug. 1998-July 1999	Aug.[1] 1999	Aug.[2] 1994-1998	Aug. 1998-July 1999
ll manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
ıble goods industries	0.3	0.1	0.2	0.3	0.3	0.4	0.0	0.1	0.1	(X)	0.1	0.1
ne, clay, and glass products	(X)	0.4	0.4	(X)	0.8	0.5	(X)	0.4	0.5	(X)	0.1	0.1
mary metals	0.1	0.2	0.2	0.7	1.2	0.9	0.4	0.5	0.4	(X)	0.1	0.0
bricated metal products	(X)	0.2	0.3	(X)	0.4	0.4	(X)	0.2	0.3	(X)	0.2	0.1
lustrial machinery and equipment	0.1	0.3	0.4	-0.1	0.2	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
ctronic and other lectrical equipment	0.6	0.4	0.4	0.9	0.7	1.3	0.3	0.2	0.6	(X)	0.1	0.2
nsportation equipment	0.1	0.6	0.6	0.2	1.2	1.0	0.0	0.1	0.1	(X)	0.0	0.2
truments and related products	(X)	0.3	0.7	(X)	0.5	1.3	(X)	0.1	0.3	(X)	0.1	0.1
durable goods industries	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.0	0.1
od and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bacco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
xtile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
per and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
emicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
roleum and coal products	(X)	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6
bber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
tal goods industries :												
ndefense	0.0	0.2	0.3	-0.2	0.3	0.5	-0.1	0.1	0.1	(X)	0.1	0.1
fense	-0.1	0.3	0.6	0.0	4.8	4.2	0.0	0.2	0.2	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the able goods industries are shown in the advance report for the month.

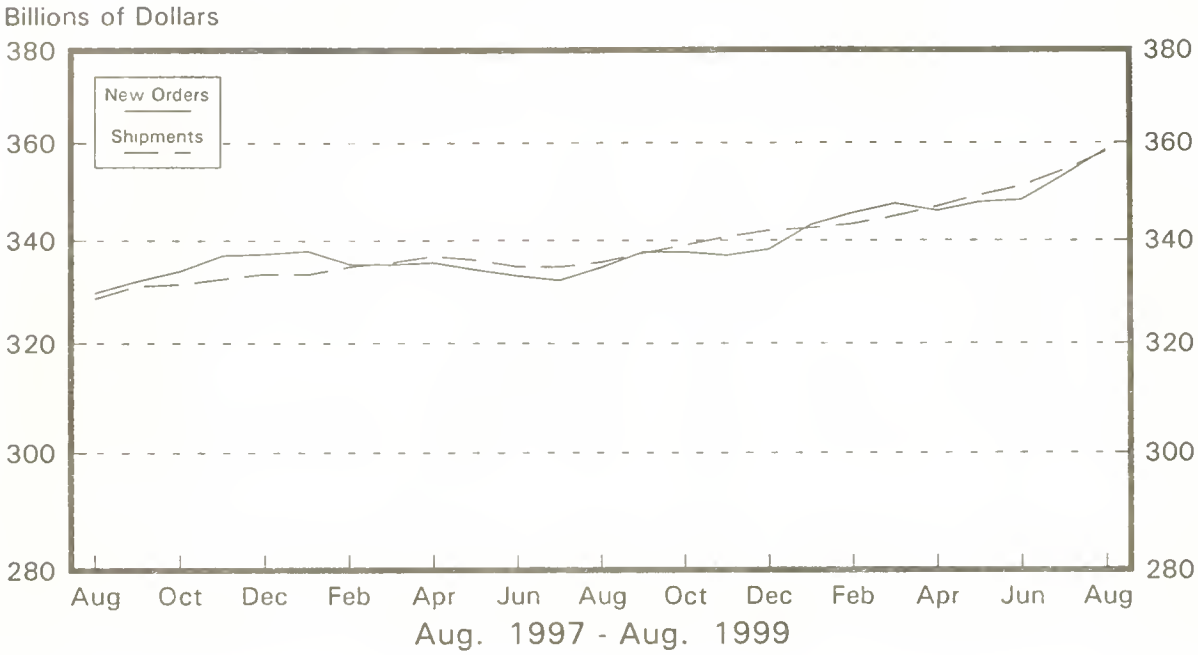
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

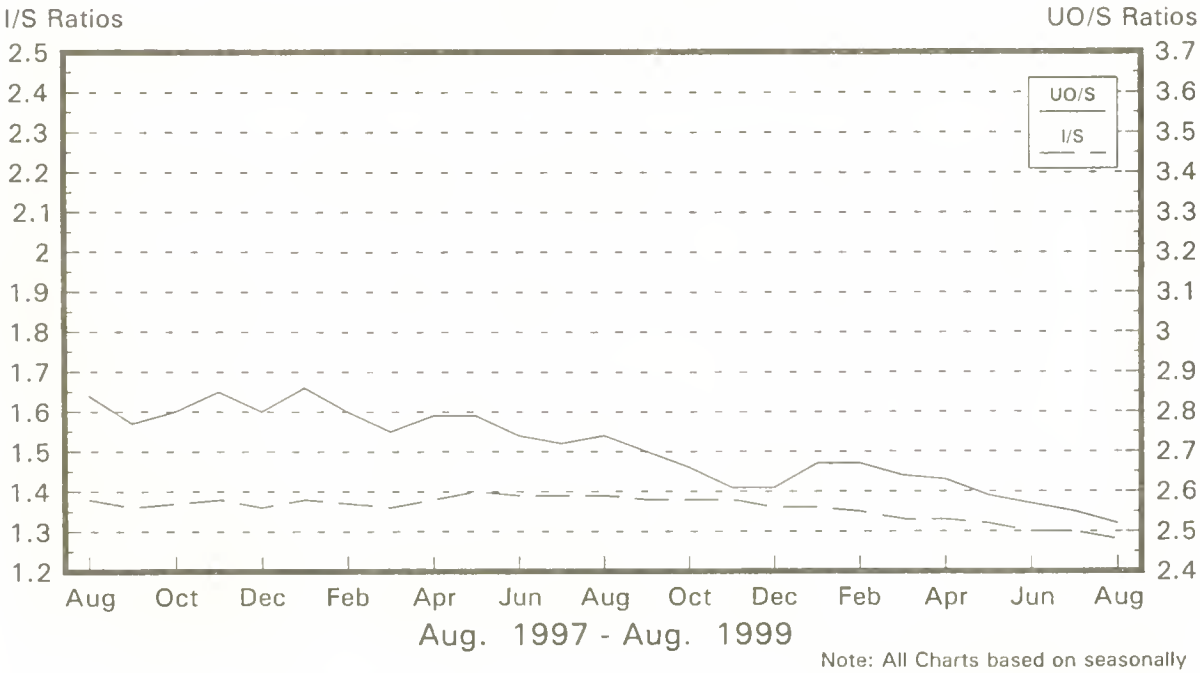
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

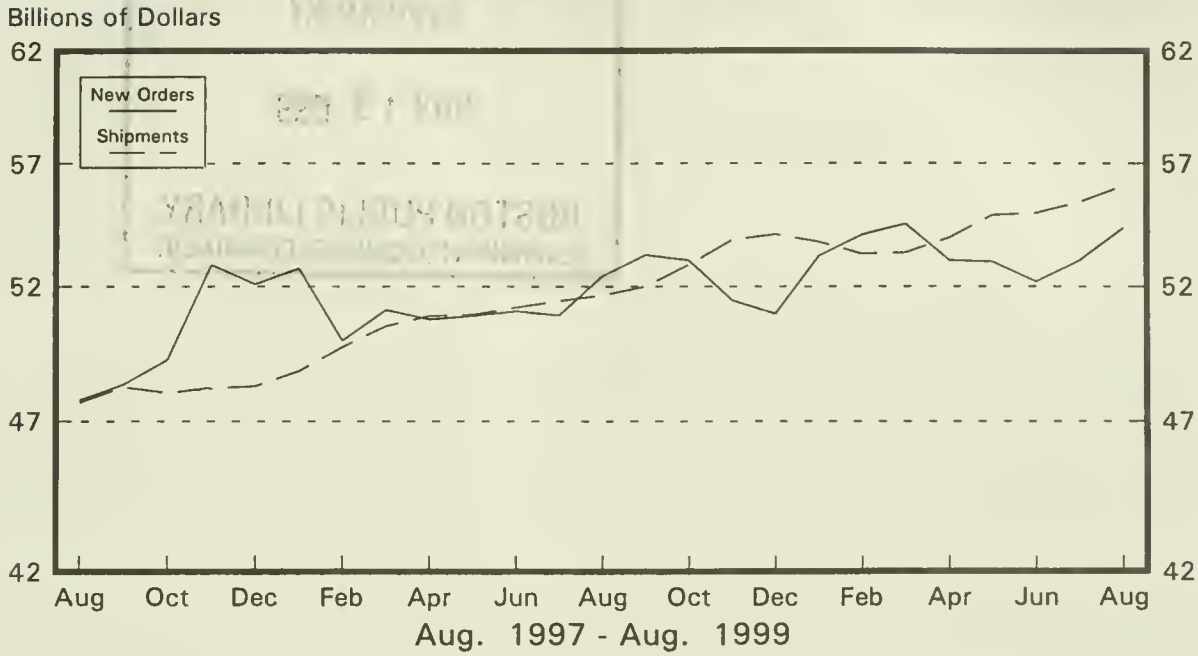
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

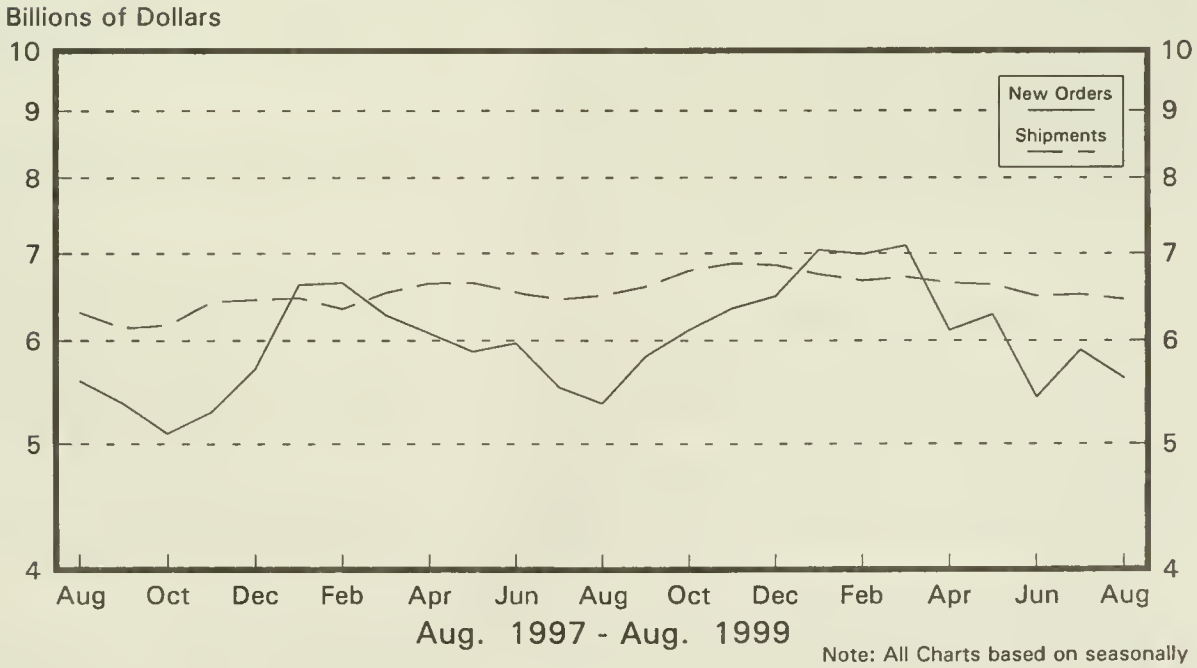
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders, M3-1(99)-09, September 1999

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

September 1999

M3-1-(99)-09
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For Questions - Frances Porter or Lee Wentela
(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September decreased $3.3 billion or 0.9 percent to $361.1 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.3 percent August increase and is the first decrease since April. Excluding transportation, new orders decreased 0.4 percent, the first decrease since May. Year-to-date, new orders are 5.1 percent above the same period a year ago; new orders for the third quarter are 3.9 percent above the second quarter.

Shipments decreased $3.0 billion or 0.8 percent to $358.9 billion, following a 1.3 percent August increase. This is the first decrease since April. Year-to-date, shipments are 4.7 percent above the same period a year ago; shipments for the third quarter are 2.4 percent above the second quarter.

Unfilled orders increased $2.2 billion or 0.4 percent to $525.5 billion, following a 0.5 percent August increase. The unfilled orders-to-shipments ratio was 2.58, up from 2.53 in August.

Inventories increased $1.0 billion or 0.2 percent to $465.3 billion, following a 0.1 percent August decrease. The inventories-to-shipments ratio was 1.30, up from 1.28 in August.

New Orders

New orders for manufactured durable goods in September decreased $2.7 billion or 1.3 percent to $204.7 billion, unrevised from the previously published 1.3 percent decrease. This is the first decrease since April.

Transportation equipment, led by aircraft and parts and motor vehicles and parts, had the largest decrease, $2.1 billion or 4.2 percent to $46.9 billion. This is the first decrease since April. Fabricated metal products, down for the first time since April, decreased $0.6 billion or 2.7 percent to $20.3 billion. Industrial machinery and equipment, down four of the last five months, decreased $0.3 billion or 0.7 percent to $38.8 billion. Electronic and other electrical equipment, up four consecutive months, increased $0.5 billion or 1.3 percent to $39.1 billion.

New orders for nondurable goods, down for the first time since April, decreased $0.6 billion or 0.4 percent to $156.4 billion. Paper and allied products had the largest decrease.

Shipments

Shipments of durable goods in September decreased $3.6 billion or 1.8 percent to $202.1 billion, revised from the previously published 1.9 percent decrease. This is the largest decrease since January 1998 and the first since April.

Transportation equipment, led by aircraft and parts and motor vehicles and parts, had the largest decrease, $2.2 billion or 4.3 percent to $48.8 billion. This is the largest decrease since June 1998. Industrial machinery and equipment decreased $1.2 billion or 3.0 percent to $37.5 billion. This is the largest decrease since January 1994. Fabricated metal products decreased $0.4 billion or 1.8 percent to $20.4 billion. This is the largest decrease since May 1997. Instruments and related products, up four of the last five months, increased $0.2 billion or 1.3 percent to $14.7 billion.

Shipments of nondurable goods increased $0.6 billion or 0.4 percent to $156.8 billion. This is the seventh increase in the last eight months. Petroleum and coal products, up eight consecutive months, increased $0.5 billion or 3.1 percent to $15.7 billion. Food and kindred products, up four of the last five months, increased $0.4 billion or 0.9 percent to $42.1 billion.

Unfilled Orders

Unfilled orders for durable goods in September increased $2.6 billion or 0.5 percent to $500.5 billion, revised from the previously published 0.6 percent increase. Electronic and other electrical equipment, up ten consecutive months, had the largest increase, $3.7 billion or 5.1 percent to $75.7 billion. This is the largest increase since August 1997. Industrial machinery and equipment, up nine of the last ten months, increased $1.3 billion or 1.7 percent to $80.8 billion. Transportation equipment, down fifteen of the last seventeen months, decreased $1.8 billion or 0.8 percent to $226.3 billion. Instruments and related products, down four consecutive months, decreased $0.5 billion or 1.1 percent to $46.2 billion..

Inventories

Inventories of durable goods in September increased $0.3 billion or 0.1 percent to $292.7 billion.

Industrial machinery and equipment had the largest increase, $0.2 billion or 0.4 percent to $60.2 billion.

Inventories of nondurable goods, up six of the last seven months, increased $0.7 billion or 0.4 percent to $172.6 billion. Petroleum and related products, up seven consecutive months, had the largest increase, $0.3 billion or 2.3 percent to $11.8 billion.

By stage of fabrication, September finished goods decreased 0.3 percent in durables and increased 0.3 percent in nondurables. Work in process increased slightly in durables and increased 0.4 percent in nondurables. Materials and supplies increased 0.5 percent in durables and 0.6 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for October is scheduled for November 23, 1999 at 8:30 a.m. and the full report on December 3, 1999 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept. 99/98	1999[p]	1998
All manufacturing industries	358,874	361,844	357,301	-0.8	+1.3	+0.7	383,967	363,407	320,282	364,324	+5.4	3,158,908	3,018,26
Manufacturing Industries													
with unfilled orders	203,504	206,643	204,202	-1.5	+1.2	+1.5	220,853	204,760	181,081	213,090	+3.6	1,798,149	1,729,91
without defense capital goods	352,471	355,376	350,717	-0.8	+1.3	+0.7	377,191	357,194	314,532	357,231	+5.6	3,101,376	2,960,33
Durable goods industries	202,109	205,709	203,268	-1.8	+1.2	+1.1	218,977	203,223	171,249	209,036	+4.8	1,787,187	1,683,91
With unfilled orders	165,672	168,889	166,506	-1.9	+1.4	+1.6	180,741	165,533	144,441	173,973	+3.9	1,463,824	1,393,22
Stone, clay, and glass products	8,921	8,859	8,578	+0.7	+3.3	0.0	9,523	9,358	8,641	8,608	+10.6	77,548	71,99
Primary metals	15,323	15,204	14,903	+0.8	+2.0	+1.5	15,869	15,298	13,574	15,402	+3.0	133,330	139,12
Blast furnaces, steel mills	5,810	5,824	5,681	-0.2	+2.5	+1.2	5,949	5,897	5,169	6,003	-0.9	51,338	56,69
Iron and steel foundries	1,552	1,554	1,566	-0.1	-0.8	+2.0	1,627	1,575	1,321	1,590	+2.3	13,959	13,69
Nonferrous and other primary metals	7,961	7,826	7,656	+1.7	+2.2	+1.7	8,293	7,826	7,084	7,809	+6.2	68,033	68,73
Fabricated metal products	20,397	20,781	20,394	-1.8	+1.9	-0.7	21,547	21,368	18,208	21,460	+0.4	184,631	178,89
Industrial machinery and equipment	37,516	38,691	39,434	-3.0	-1.9	+5.7	41,450	36,108	34,097	40,690	+1.9	337,787	332,21
Engines and turbines	2,604	2,732	2,566	-4.7	+6.5	+3.9	2,893	2,467	1,860	2,468	+17.2	21,696	19,65
Farm and garden machinery	1,706	1,753	1,761	-2.7	-0.5	-0.1	1,550	1,416	1,420	1,744	-11.1	17,793	19,66
Construction, mining and material handling equipment	3,794	3,743	3,788	+1.4	-1.2	-2.1	3,845	3,569	3,544	4,280	-10.2	35,394	38,78
Metalworking machinery	3,746	3,712	3,635	+0.9	+2.1	+2.4	4,302	3,553	3,054	3,981	+8.1	31,389	30,37
Computer and office equipment	11,024	11,972	13,126	-7.9	-8.8	+17.6	13,744	10,849	10,641	13,791	-0.3	101,744	95,40
Electronic and other electrical equipment	35,447	35,339	35,373	+0.3	-0.1	+3.4	40,375	34,123	30,909	36,667	+10.1	300,634	272,58
Electrical transmission and distribution equipment and industrial apparatus	4,039	4,141	3,970	-2.5	+4.3	+7.0	4,583	4,088	3,582	4,417	+3.8	34,765	33,3
Household appliances	2,222	2,432	2,418	-8.6	+0.6	+3.0	2,344	2,474	2,253	2,279	+2.9	21,284	18,8
Electric lighting and wiring equipment	2,544	2,539	2,447	+0.2	+3.8	-2.5	2,868	2,536	2,046	2,540	+12.9	21,355	19,8
Household audio and video equipment	1,082	1,090	1,119	-0.7	-2.6	+3.8	1,278	1,138	998	1,188	+7.6	9,134	8,6
Communications equipment	8,989	8,723	8,856	+3.0	-1.5	+3.8	10,521	7,679	7,530	8,803	+19.5	72,701	60,8
Electronic components	14,274	14,071	14,266	+1.4	-1.4	+3.9	16,141	13,894	12,711	14,870	+8.5	121,685	112,3
Transportation equipment	48,779	50,980	48,816	-4.3	+4.4	-1.9	51,616	51,079	32,697	49,441	+4.4	434,502	388,8
Motor vehicles and parts	34,139	34,669	34,550	-1.5	+0.3	-0.8	35,935	35,318	20,450	32,753	+9.7	299,155	263,0
Aircraft, missiles, space vehicles, and parts	10,861	12,808	10,879	-15.2	+17.7	-3.9	11,499	12,132	9,299	12,771	-10.0	104,155	97,5
Shipbuilding and tanks	1,222	1,056	981	+15.7	+7.6	+7.8	1,302	1,027	903	1,108	+17.5	8,906	8,4
Instruments and related products	14,655	14,474	14,340	+1.3	+0.9	-1.9	16,210	13,975	12,834	15,714	+3.2	128,484	125,3
Search and navigation equipment	3,095	3,125	3,207	-1.0	-2.6	+0.2	3,377	3,014	2,877	3,378	0.0	28,042	27,1
Measuring and controlling devices	4,205	4,257	4,165	-1.2	+2.2	+1.1	4,593	4,217	3,669	4,396	+4.5	37,065	36,4
Medical instruments and supplies	4,976	4,759	4,696	+4.6	+1.3	-5.0	5,570	4,528	4,221	5,135	+8.5	42,913	40,1
Photographic goods	1,883	1,835	1,813	+2.6	+1.2	-3.2	2,149	1,719	1,619	2,328	-7.7	16,076	17,4
All other durable goods	21,071	21,381	21,430	-1.4	-0.2	+0.6	22,387	21,914	20,288	21,054	+6.3	190,270	174,9
Nondurable goods industries	156,765	156,135	154,033	+0.4	+1.4	+0.2	164,990	160,184	149,033	155,288	+6.2	1,371,721	1,334,3
With unfilled orders	37,832	37,754	37,696	+0.2	+0.2	+0.7	40,112	39,227	36,640	39,117	+2.5	334,325	336,6
Food and kindred products	42,133	41,767	41,309	+0.9	+1.1	-1.8	44,103	42,498	39,577	43,044	+2.5	372,273	364,4
Meat products	9,133	9,061	8,775	+0.8	+3.3	-2.9	9,440	9,419	8,678	8,946	+5.5	79,150	78,4
Dairy products	6,536	6,511	6,273	+0.4	+3.8	-3.1	6,731	6,535	5,909	6,752	-0.3	57,919	54,9
Beverages	6,388	6,333	6,314	+0.9	+0.3	-0.2	6,590	6,815	6,621	6,381	+3.3	57,479	55,5
All other foods, except fats and oils	18,265	18,138	18,246	+0.7	-0.6	-0.8	19,531	18,005	16,668	18,954	+3.0	161,208	157,0
Tobacco products	4,278	4,257	4,265	+0.5	-0.2	+0.8	4,157	4,319	4,157	3,522	+18.0	37,426	30,7
Textile mill products	6,474	6,514	6,540	-0.6	-0.4	+1.4	7,139	6,912	6,045	7,129	+0.1	58,807	61,4
Broadwoven fabrics and other textiles	3,620	3,657	3,713	-1.0	-1.5	-0.5	3,983	3,765	3,253	4,311	-7.6	33,661	37,2
Paper and allied products	13,887	13,949	13,575	-0.4	+2.8	+0.9	14,348	14,220	13,208	13,981	+2.6	122,385	125,1
Pulp, paper, and paperboard mill products	5,407	5,470	5,244	-1.2	+4.3	+1.0	5,540	5,605	5,162	5,256	+5.4	47,002	48,4
Paperboard containers and boxes	3,529	3,570	3,391	-1.1	+5.3	+1.9	3,618	3,669	3,275	3,527	+2.6	30,554	32,5
Miscellaneous converted paper products	4,951	4,909	4,940	+0.9	-0.6	0.0	5,190	4,946	4,771	5,198	-0.2	44,829	44,1
Chemicals and allied products	34,917	35,028	34,569	-0.3	+1.3	+0.2	36,414	34,532	33,033	34,084	+6.8	308,078	295,8
Industrial chemicals	15,575	15,296	15,267	+1.8	+0.2	+1.3	15,978	15,274	14,960	14,920	+7.1	135,974	137,3
Drugs, soaps, and toiletries	15,450	15,731	15,448	-1.8	+1.8	0.0	17,072	15,639	14,495	15,956	+7.0	135,345	121,8
Petroleum and coal products	15,697	15,218	14,563	+3.1	+4.5	+6.3	16,667	16,227	15,083	12,436	+34.0	120,813	111,6
Rubber and plastics products	13,676	13,839	13,376	-1.2	+3.5	-1.7	14,265	14,131	12,292	13,875	+2.8	123,476	119,6
All other nondurable goods	25,703	25,563	25,836	+0.5	-1.1	+0.4	27,897	27,345	25,638	27,217	+2.5	228,463	225,4

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept. 99/98	1999[p]	1998
All manufacturing industries	361,094	364,440	359,903	-0.9	+1.3	+2.5	380,446	365,069	328,590	359,884	+5.7	3,167,374	3,012,093
anufacturing industries													
ith unfilled orders	205,724	209,239	206,804	-1.7	+1.2	+4.6	217,332	206,422	189,389	208,650	+4.2	1,806,615	1,723,744
ithout defense capital goods	356,081	359,392	353,427	-0.9	+1.7	+2.2	375,450	361,402	323,524	352,355	+6.6	3,116,177	2,960,936
rable goods industries	204,732	207,446	205,532	-1.3	+0.9	+4.3	216,658	204,162	178,540	205,297	+5.5	1,793,312	1,678,688
ith unfilled orders	168,295	170,626	168,770	-1.4	+1.1	+5.5	178,422	166,472	151,732	170,234	+4.8	1,469,949	1,388,000
ne, clay, and glass products	8,894	8,804	8,520	+1.0	+3.3	-0.1	9,476	9,265	8,593	8,541	+10.9	77,415	72,229
mary metals	15,547	15,659	15,730	-0.7	-0.5	+3.4	15,347	15,558	14,435	13,789	+11.3	135,765	134,451
last furnaces, steel mills	5,916	6,065	5,872	-2.5	+3.3	-0.2	5,610	5,990	5,307	5,088	+10.3	52,631	54,025
ron and steel foundries	1,452	1,632	1,621	-11.0	+0.7	+15.8	1,439	1,662	1,334	1,378	+4.4	13,341	13,593
onferrous and other primary metals	8,179	7,962	8,237	+2.7	-3.3	+4.0	8,298	7,906	7,794	7,323	+13.3	69,793	66,833
ricated metal products	20,258	20,814	20,286	-2.7	+2.6	0.0	21,136	21,361	18,325	20,918	+1.0	184,282	178,794
ustrial machinery and equipment	38,829	39,110	40,257	-0.7	-2.8	+10.5	42,762	36,479	35,206	43,032	-0.6	343,547	333,635
ngines and turbines	3,687	2,998	2,906	+23.0	+3.2	+49.6	4,452	2,897	2,428	6,143	-27.5	27,026	23,700
onstruction, mining and material handling equipment	3,679	3,674	3,695	+0.1	-0.6	+2.0	3,685	3,302	3,235	3,905	-5.6	34,193	38,308
etalworking machinery	3,940	3,751	3,925	+5.0	-4.4	+14.5	4,496	3,592	3,344	3,781	+18.9	32,147	30,310
omputer and office equipment	11,171	12,112	13,281	-7.8	-8.8	+17.7	13,734	10,956	11,047	13,623	+0.8	102,487	95,766
ctronic and other ectrical equipment	39,129	38,616	37,976	+1.3	+1.7	+8.0	41,110	37,824	37,743	34,517	+19.1	317,291	276,826
lectrical transmission and istribution equipment and ndustrial apparatus	3,992	4,452	4,047	-10.3	+10.0	+8.3	4,410	4,436	3,671	4,221	+4.5	35,269	33,092
lectric lighting and wiring equipment	2,248	2,466	2,523	-8.8	-2.3	-6.1	2,572	2,463	2,122	2,340	+9.9	21,339	19,949
ommunications equipment	9,964	8,361	8,899	+19.2	-6.0	+3.0	11,516	7,295	7,578	9,120	+26.3	74,387	63,641
lectronic components	17,155	17,604	16,694	-2.6	+5.5	+16.7	16,210	17,722	19,370	12,937	+25.3	136,229	114,255
nsportation equipment	46,929	49,000	47,235	-4.2	+3.7	+2.1	49,280	48,278	31,128	47,885	+2.9	416,986	384,418
Aircraft, missiles, space vehicles, and parts	9,575	11,415	10,302	-16.1	+10.8	+13.0	9,861	9,845	8,490	9,924	-0.6	90,798	93,183
hipbuilding and tanks	790	577	680	+36.9	-15.1	147.3	891	537	575	2,217	-59.8	7,855	8,019
uments and related products	14,140	14,111	14,166	+0.2	-0.4	+2.0	15,419	13,632	12,629	15,653	-1.5	127,040	123,138
earch and navigation equipment	2,703	2,813	2,875	-3.9	-2.2	-7.0	2,927	2,492	2,196	3,407	-14.1	26,711	25,004
leasuring and controlling devices	4,229	4,082	4,165	+3.6	-2.0	+2.3	4,617	4,042	3,669	4,324	+6.8	37,054	35,797
ledical instruments and supplies	4,833	4,867	4,836	-0.7	+0.6	+9.9	5,213	4,874	4,683	5,150	+1.2	42,930	41,403
other durable goods	21,006	21,332	21,362	-1.5	-0.1	+0.1	22,128	21,765	20,531	20,962	+5.6	191,036	175,197
durable goods industries	156,362	156,994	154,371	-0.4	+1.7	+0.2	163,788	160,907	150,050	154,587	+6.0	1,374,062	1,333,405
ith unfilled orders	37,429	38,613	38,034	-3.1	+1.5	+0.7	38,910	39,950	37,657	38,416	+1.3	336,666	335,744

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

lote : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen chang
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept 99/9
All manufacturing industries	525,482	523,262	520,666	+0.4	+0.5	+0.5	521,503	525,024	523,311	525,390	-0.
Manufacturing industries without defense capital goods	434,494	430,884	426,868	+0.8	+0.9	+0.6	432,125	433,866	429,607	429,948	+0.
Durable goods industries	500,512	497,889	496,152	+0.5	+0.4	+0.5	496,216	498,535	497,545	501,112	-1.
Stone, clay, and glass products	5,942	5,969	6,024	-0.5	-0.9	-1.0	5,938	5,985	6,078	6,415	-7.
Primary metals	32,175	31,951	31,496	+0.7	+1.4	+2.7	31,282	31,804	31,544	29,662	+5.
Blast furnaces, steel mills	12,881	12,775	12,534	+0.8	+1.9	+1.5	12,328	12,667	12,574	11,686	+5.
Iron and steel foundries	4,871	4,971	4,893	-2.0	+1.6	+1.1	4,734	4,922	4,835	5,373	-11.
Nonferrous and other primary metals	14,423	14,205	14,069	+1.5	+1.0	+4.3	14,220	14,215	14,135	12,603	+12.
Fabricated metal products	25,094	25,233	25,200	-0.6	+0.1	-0.4	25,085	25,496	25,503	26,247	-4.
Industrial machinery and equipment	80,791	79,478	79,059	+1.7	+0.5	+1.1	80,201	78,889	78,518	74,847	+7.
Engines and turbines	23,864	22,781	22,515	+4.8	+1.2	+1.5	24,055	22,496	22,066	16,581	+45.
Construction, mining and material handling equipment	8,811	8,926	8,995	-1.3	-0.8	-1.0	8,432	8,592	8,859	9,894	-14.
Metalworking machinery	7,204	7,010	6,971	+2.8	+0.6	+4.3	7,204	7,010	6,971	7,135	+1.
Computer and office equipment	8,626	8,479	8,339	+1.7	+1.7	+1.9	8,684	8,694	8,587	7,996	+8.
Electronic and other electrical equipment	75,707	72,025	68,748	+5.1	+4.8	+3.9	74,463	73,728	70,027	57,546	+29
Electrical transmission and distribution equipment and industrial apparatus	6,771	6,818	6,507	-0.7	+4.8	+1.2	6,685	6,858	6,510	6,255	+6
Electric lighting and wiring equipment	5,006	5,302	5,375	-5.6	-1.4	+1.4	5,006	5,302	5,375	4,986	+0
Communications equipment	18,769	17,794	18,156	+5.5	-2.0	+0.2	18,743	17,748	18,132	17,107	+9
Electronic components	39,285	36,404	32,871	+7.9	+10.7	+8.0	38,199	38,130	34,302	23,475	+62
Transportation equipment	226,334	228,184	230,164	-0.8	-0.9	-0.7	225,068	227,404	230,205	250,126	-10
Aircraft, missiles, space vehicles, and parts	191,907	193,193	194,586	-0.7	-0.7	-0.3	190,651	192,289	194,576	213,757	-10
Shipbuilding and tanks	18,216	18,648	19,127	-2.3	-2.5	-1.5	18,271	18,682	19,172	18,047	+1
Instruments and related products	46,171	46,686	47,049	-1.1	-0.8	-0.4	45,741	46,532	46,875	47,952	-4
Search and navigation equipment	25,425	25,817	26,129	-1.5	-1.2	-1.3	25,097	25,547	26,069	27,109	-7
Measuring and controlling devices	10,174	10,150	10,325	+0.2	-1.7	0.0	10,174	10,150	10,325	10,211	-0
Medical instruments and supplies	9,706	9,849	9,741	-1.5	+1.1	+1.5	9,603	9,960	9,614	9,655	-0
All other durable goods	8,298	8,363	8,412	-0.8	-0.6	-0.8	8,438	8,697	8,846	8,317	+1
Nondurable goods industries	24,970	25,373	24,514	-1.6	+3.5	+1.4	25,287	26,489	25,766	24,278	+4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept. 99/98
All manufacturing industries	465,346	464,351	465,043	+0.2	-0.1	+0.5	464,876	467,794	466,518	467,407	-0.5
Manufacturing industries with unfilled orders	308,828	308,152	309,105	+0.2	-0.3	+0.5	308,661	312,270	311,804	314,283	-1.8
without defense capital goods	446,550	445,755	446,435	+0.2	-0.2	+0.5	445,804	448,795	447,496	448,400	-0.6
Durable goods industries	292,726	292,461	293,505	+0.1	-0.4	+0.6	292,103	295,746	294,993	295,733	-1.2
With unfilled orders	268,270	267,761	268,648	+0.2	-0.3	+0.6	267,976	271,238	270,594	272,462	-1.6
Stone, clay, and glass products	9,716	9,726	9,473	-0.1	+2.7	+0.8	9,546	9,692	9,514	9,049	+5.5
Primary metals	23,599	23,660	23,693	-0.3	-0.1	+0.1	23,667	23,786	23,797	24,912	-5.0
Blast furnaces, steel mills	11,225	11,317	11,396	-0.8	-0.7	-0.6	11,322	11,411	11,451	12,464	-9.2
Iron and steel foundries	1,571	1,595	1,605	-1.5	-0.6	-0.4	1,536	1,568	1,591	1,540	-0.3
Nonferrous and other primary metals	10,803	10,748	10,692	+0.5	+0.5	+0.9	10,809	10,807	10,755	10,908	-0.9
Fabricated metal products	31,216	31,028	31,005	+0.6	+0.1	+0.9	31,039	31,049	31,198	30,831	+0.7
Industrial machinery and equipment	60,209	59,990	59,791	+0.4	+0.3	-0.1	59,752	60,718	59,753	60,425	-1.1
Engines and turbines	4,462	4,468	4,490	-0.1	-0.5	+5.1	4,475	4,684	4,550	4,055	+10.4
Farm and garden machinery	3,600	3,560	3,530	+1.1	+0.8	-2.0	3,363	3,298	3,261	3,546	-5.2
Construction, mining and material handling equipment	8,842	8,840	8,877	0.0	-0.4	0.0	8,696	8,740	8,781	8,694	0.0
Metalworking machinery	8,117	8,006	8,010	+1.4	0.0	-1.3	8,290	8,353	8,218	8,115	+2.2
Computer and office equipment	9,278	9,169	8,765	+1.2	+4.6	-2.7	9,147	9,715	8,916	9,073	+0.8
Electronic and other electrical equipment	41,209	41,204	41,221	0.0	0.0	+0.5	40,913	42,028	41,832	39,852	+2.7
Electrical transmission and distribution equipment and industrial apparatus	5,209	5,253	5,242	-0.8	+0.2	+0.5	5,134	5,264	5,226	5,208	-1.4
Household appliances	2,392	2,336	2,384	+2.4	-2.0	-1.1	2,281	2,283	2,399	2,285	-0.2
Electric lighting and wiring equipment	3,688	3,604	3,570	+2.3	+1.0	+0.1	3,664	3,680	3,664	3,454	+6.1
Household audio and video equipment	1,066	1,023	1,136	+4.2	-9.9	+8.9	1,140	1,122	1,268	1,111	+2.6
Communications equipment	10,911	10,818	10,749	+0.9	+0.6	+0.2	10,942	11,112	10,929	10,309	+6.1
Electronic components	14,342	14,561	14,481	-1.5	+0.6	+0.2	14,144	14,814	14,552	13,871	+2.0
Transportation equipment	70,809	70,868	72,403	-0.1	-2.1	+1.1	71,165	71,927	72,712	75,935	-6.3
Motor vehicles and parts	17,402	17,569	17,677	-1.0	-0.6	+0.5	17,494	17,955	17,942	16,889	+3.6
Aircraft, missiles, space vehicles, and parts	47,380	47,082	48,623	+0.6	-3.2	+1.2	47,690	47,669	48,611	53,512	-10.9
Shipbuilding and tanks	2,213	2,266	2,224	-2.3	+1.9	+0.7	2,206	2,278	2,220	1,843	+19.7
Instruments and related products	27,113	27,060	26,930	+0.2	+0.5	+1.3	27,108	27,591	27,276	26,545	+2.1
Search and navigation equipment	6,857	6,789	6,788	+1.0	0.0	+1.4	6,850	6,974	7,015	6,674	+2.6
Measuring and controlling devices	8,368	8,267	8,122	+1.2	+1.8	+1.2	8,352	8,402	8,191	7,975	+4.7
Medical instruments and supplies	8,801	8,842	8,838	-0.5	0.0	+1.3	8,760	9,008	8,899	8,470	+3.4
Photographic goods	2,328	2,406	2,433	-3.2	-1.1	+0.4	2,401	2,454	2,423	2,734	-12.2
other durable goods	28,855	28,925	28,989	-0.2	-0.2	+0.7	28,913	28,955	28,911	28,184	+2.6
Nondurable goods industries	172,620	171,890	171,538	+0.4	+0.2	+0.3	172,773	172,048	171,525	171,674	+0.6
With unfilled orders	40,558	40,391	40,457	+0.4	-0.2	-0.6	40,685	41,032	41,210	41,821	-2.7
Food and kindred products	38,086	38,018	38,019	+0.2	0.0	0.0	38,958	37,693	36,946	37,919	+2.7
Meat products	4,400	4,340	4,285	+1.4	+1.3	+0.7	4,349	4,251	4,304	3,976	+9.4
Dairy products	3,884	3,909	3,875	-0.6	+0.9	0.0	3,853	3,979	3,998	3,745	+2.9
Beverages	8,601	8,726	8,695	-1.4	+0.4	-1.2	8,696	8,540	8,459	8,293	+4.9
All other foods, except fats and oils	19,628	19,466	19,537	+0.8	-0.4	+0.7	20,582	19,505	18,630	20,160	+2.1
Tobacco products	5,155	5,149	5,160	+0.1	-0.2	-0.9	5,001	4,805	4,645	5,577	-10.3
Textile mill products	10,122	10,030	10,026	+0.9	0.0	-0.8	9,974	10,086	10,163	10,116	-1.4
Broadwoven fabrics and other textiles	6,123	6,126	6,116	0.0	+0.2	-0.9	5,992	6,139	6,167	6,261	-4.3
Yarn and allied products	16,085	15,928	16,009	+1.0	-0.5	-0.4	15,920	15,887	15,971	16,344	-2.6
Pulp, paper, and paperboard mill products	6,290	6,326	6,408	-0.6	-1.3	-1.0	6,213	6,300	6,350	6,666	-6.8
Paperboard containers and boxes	4,179	4,053	3,974	+3.1	+2.0	+0.8	4,172	4,041	3,981	4,198	-0.6
Miscellaneous converted paper products	5,616	5,549	5,627	+1.2	-1.4	-0.5	5,535	5,546	5,640	5,480	+1.0
Chemicals and allied products	46,601	46,619	46,848	0.0	-0.5	+0.6	45,981	46,588	47,019	45,777	+0.4
Industrial chemicals	19,222	19,214	19,404	0.0	-1.0	+1.5	19,185	19,218	19,444	20,148	-4.8
Drugs, soaps, and toiletries	21,515	21,512	21,523	0.0	-0.1	-0.3	21,231	21,787	21,929	20,203	+5.1
Petroleum and coal products	11,849	11,588	11,144	+2.3	+4.0	+3.1	12,078	11,728	11,275	10,867	+11.1
Rubber and plastics products	17,462	17,261	17,050	+1.2	+1.2	+0.9	17,144	17,085	17,061	16,270	+5.4
other nondurable goods	27,260	27,297	27,282	-0.1	+0.1	-0.2	27,717	28,176	28,445	28,804	-3.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept. 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	358,874	361,844	357,301	-0.8	+1.3	+0.7	383,967	363,407	320,282	364,324	+5.4	3,158,908	3,018,261
Market categories :													
Automotive equipment	16,682	16,909	16,809	-1.3	+0.6	-0.9	17,898	17,352	10,180	16,275	+10.0	145,856	128,097
Home goods and apparel	19,694	20,051	20,035	-1.8	+0.1	+2.0	21,998	21,249	18,725	21,064	+4.4	178,274	169,65
Consumer staples	75,551	75,085	74,010	+0.6	+1.5	-0.1	79,925	76,810	71,795	73,983	+8.0	654,070	618,57
Machinery and equipment	67,997	70,348	69,036	-3.3	+1.9	+1.2	75,238	66,796	57,136	73,262	+2.7	604,627	569,90
Business supplies	26,939	26,885	26,701	+0.2	+0.7	+0.7	28,121	27,108	25,331	26,584	+5.8	236,292	228,26
Construction materials and supplies	23,496	23,594	23,376	-0.4	+0.9	+0.3	24,996	24,830	23,137	23,183	+7.8	207,947	195,16
Defense products	6,666	6,678	6,785	-0.2	-1.6	+3.4	7,058	6,454	6,022	7,368	-4.2	59,810	60,97
Other materials, supplies and and intermediate products	121,849	122,294	120,549	-0.4	+1.4	+0.9	128,733	122,808	107,956	122,605	+5.0	1,072,032	1,047,63
Durable goods industries :													
Nondefense capital goods [3]	54,812	57,287	56,095	-4.3	+2.1	+3.0	61,662	53,421	48,646	59,943	+2.9	486,112	456,80
Excluding aircraft and parts	47,338	47,915	48,774	-1.2	-1.8	+5.0	53,734	44,621	42,377	50,929	+5.5	412,576	389,91
Defense capital goods [4]	6,403	6,468	6,584	-1.0	-1.8	+4.9	6,776	6,213	5,750	7,093	-4.5	57,532	57,93
Durables excluding capital goods	140,894	141,954	140,589	-0.7	+1.0	+0.2	150,539	143,589	116,853	142,000	+6.0	1,243,543	1,169,17
Miscellaneous series :													
Producers' durable equipment	130,976	134,795	133,226	-2.8	+1.2	+1.2	142,638	131,678	106,291	137,399	+3.8	1,166,090	1,088,25
Household durable goods	10,291	10,642	10,585	-3.3	+0.5	+3.1	11,520	10,707	9,206	10,549	+9.2	92,310	82,85
Information technology industries	27,061	27,719	28,928	-2.4	-4.2	+8.5	32,084	25,409	24,338	30,210	+6.2	236,055	217,26
Health care equipment and products	13,350	13,285	13,063	+0.5	+1.7	-1.9	14,811	13,009	12,061	13,782	+7.5	116,340	106,35
NEW ORDERS													
All manufacturing industries	361,094	364,440	359,903	-0.9	+1.3	+2.5	380,446	365,069	328,590	359,884	+5.7	3,167,374	3,012,09
Market categories :													
Automotive equipment	16,700	16,945	16,797	-1.4	+0.9	-1.1	17,872	17,422	10,218	16,288	+9.7	145,978	127,97
Home goods and apparel	19,778	20,041	20,081	-1.3	-0.2	+2.6	21,998	21,071	19,021	21,051	+4.5	179,078	169,61
Consumer staples	75,467	75,285	74,014	+0.2	+1.7	-0.2	79,589	77,047	72,218	73,786	+7.9	654,853	618,98
Machinery and equipment	69,819	69,020	68,011	+1.2	+1.5	+4.9	76,289	65,412	56,557	73,983	+3.1	599,154	576,54
Business supplies	26,785	27,116	26,729	-1.2	+1.4	+0.9	27,652	27,393	25,580	26,378	+4.8	237,116	228,82
Construction materials and supplies	23,094	23,479	23,499	-1.6	-0.1	0.0	24,466	24,637	23,265	22,793	+7.3	208,182	195,19
Defense products	5,425	5,254	6,709	+3.3	-21.7	+22.2	5,459	3,950	5,475	7,945	-31.3	53,663	54,06
Other materials, supplies and and intermediate products	124,026	127,300	124,063	-2.6	+2.6	+3.3	127,121	128,137	116,256	117,660	+8.0	1,089,350	1,040,88
Durable goods industries :													
Nondefense capital goods [3]	56,353	56,423	55,030	-0.1	+2.5	+8.0	63,088	52,455	47,804	60,062	+5.0	480,613	461,49
Excluding aircraft and parts	49,287	47,770	48,763	+3.2	-2.0	+9.5	55,568	44,374	42,589	53,569	+3.7	417,070	393,96
Defense capital goods [4]	5,013	5,048	6,476	-0.7	-22.1	+24.3	4,996	3,667	5,066	7,529	-33.6	51,197	51,15
Durables excluding capital goods	143,366	145,975	144,026	-1.8	+1.4	+2.2	148,574	148,040	125,670	137,706	+7.9	1,261,502	1,166,03
Miscellaneous series :													
Producers' durable equipment	133,290	133,345	131,905	0.0	+1.1	+2.7	143,995	130,412	106,225	139,041	+3.6	1,160,707	1,094,07
Household durable goods	10,287	10,545	10,652	-2.4	-1.0	+3.8	11,490	10,575	9,557	10,576	+8.6	92,747	82,51
Information technology industries	28,028	27,202	28,962	+3.0	-6.1	+8.0	32,888	24,857	24,636	30,287	+8.6	238,337	219,34
Health care equipment and products	13,206	13,393	13,203	-1.4	+1.4	+3.4	14,452	13,354	12,524	13,797	+4.7	116,360	107,59

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1999[p]	Aug. 1999[r]	July 1999	Aug.-Sept.	July-Aug.	June-July	Sept. 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept. 99/98
UNFILLED ORDERS											
All manufacturing industries	525,482	523,262	520,666	+0.4	+0.5	+0.5	521,503	525,024	523,311	525,390	-0.7
Market categories :											
Automotive equipment	2,548	2,529	2,493	+0.8	+1.4	-0.5	2,527	2,553	2,474	2,364	+6.9
Home goods and apparel	9,029	8,946	8,956	+0.9	-0.1	+0.5	9,115	9,115	9,293	8,513	+7.1
Consumer staples	2,813	2,897	2,697	-2.9	+7.4	+0.1	3,045	3,382	3,145	2,458	+23.9
Machinery and equipment	235,812	233,990	235,318	+0.8	-0.6	-0.4	235,106	234,054	235,429	249,387	-5.7
Business supplies	7,219	7,373	7,142	-2.1	+3.2	+0.4	7,344	7,813	7,529	6,994	+5.0
Construction materials and supplies	17,525	17,926	18,042	-2.2	-0.6	+0.7	17,475	18,004	18,198	17,661	-1.1
Defense products	86,321	87,562	88,985	-1.4	-1.6	-0.1	84,769	86,367	88,871	90,636	-6.5
Other materials, supplies and and intermediate products	164,215	162,039	157,033	+1.3	+3.2	+2.3	162,122	163,736	158,372	147,377	+10.0
urable goods industries :											
Nondefense capital goods [3]	252,212	250,671	251,535	+0.6	-0.3	-0.4	251,591	250,165	251,123	265,900	-5.4
Excluding aircraft and parts	111,700	109,751	109,896	+1.8	-0.1	0.0	111,079	109,245	109,484	107,217	+3.6
Defense capital goods [4]	90,988	92,378	93,798	-1.5	-1.5	-0.1	89,378	91,158	93,704	95,442	-6.4
Durables excluding capital goods	157,312	154,840	150,819	+1.6	+2.7	+2.3	155,247	157,212	152,718	139,770	+11 1
iscellaneous series :											
Producers' durable equipment	274,887	272,573	274,023	+0.8	-0.5	-0.5	274,172	272,815	274,030	288,929	-5.1
Household durable goods	5,507	5,511	5,608	-0.1	-1.7	+1.2	5,598	5,628	5,760	5,442	+2.9
Information technology industries	41,349	40,382	40,899	+2.4	-1.3	+0.1	41,398	40,594	41,146	40,054	+3.4
Health care equipment and products	9,747	9,891	9,783	-1.5	+1.1	+1.5	9,645	10,004	9,659	9,697	-0.5
TOTAL INVENTORIES											
All manufacturing industries	465,346	464,351	465,043	+0.2	-0.1	+0.5	464,876	467,794	466,518	467,407	-0.5
arket categories :											
Automotive equipment	8,704	8,786	8,876	-0.9	-1.0	+0.7	8,688	9,023	9,024	8,332	+4.3
Home goods and apparel	31,618	31,452	31,515	+0.5	-0.2	+0.3	31,652	32,030	32,439	32,046	-1.2
Consumer staples	74,830	74,649	74,397	+0.2	+0.3	+0.2	75,345	74,512	73,540	73,120	+3.0
Machinery and equipment	116,102	115,663	116,962	+0.4	-1.1	+0.5	115,603	117,242	117,099	119,884	-3.6
Business supplies	28,395	28,227	28,231	+0.6	0.0	+0.2	28,709	28,515	28,551	28,721	0.0
Construction materials and supplies	29,693	29,592	29,438	+0.3	+0.5	+0.8	29,527	29,662	29,585	28,578	+3.3
Defense products	18,408	18,238	18,324	+0.9	-0.5	+1.3	18,636	18,589	18,710	18,677	-0.2
Other materials, supplies and and intermediate products	157,596	157,744	157,300	-0.1	+0.3	+0.7	156,716	158,221	157,570	158,049	-0.8
rable goods industries :											
Nondefense capital goods [3]	107,504	107,353	108,390	+0.1	-1.0	+0.4	107,211	109,022	108,615	112,209	-4.5
Excluding aircraft and parts	72,450	72,409	71,949	+0.1	+0.6	+0.3	72,102	73,773	72,516	71,233	+1.2
Defense capital goods [4]	18,796	18,596	18,608	+1.1	-0.1	+1.7	19,072	18,999	19,022	19,007	+0.3
Durables excluding capital goods	166,426	166,512	166,507	-0.1	0.0	+0.6	165,820	167,725	167,356	164,517	+0.8
scellaneous series :											
Producers' durable equipment	190,140	189,001	190,148	+0.6	-0.6	+0.5	189,583	191,376	191,124	192,300	-1.4
Household durable goods	16,335	16,248	16,308	+0.5	-0.4	+0.4	16,333	16,511	16,634	16,350	-0.1
nformation technology industries	33,740	33,484	32,871	+0.8	+1.9	+0.1	33,655	34,575	33,393	32,468	+3.7
Health care equipment and products	20,451	20,489	20,488	-0.2	0.0	+0.4	20,257	20,800	20,766	19,413	+4.3

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept 1999[p]	Aug 1999[r]	July 1999	Aug - Sept	July - Aug.	June - July	Sept 1999[p]	Aug. 1999[r]	July 1999	Sept. 1998	Sept 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	154,246	153,426	153,915	+0.5	-0.3	+0.6	154,758	153,694	154,458	156,325	-1.0
Durable goods industries	92,995	92,531	92,918	+0.5	-0.4	+1.0	93,782	93,290	93,582	93,880	-0.1
Stone, clay, and glass products	3,267	3,246	3,204	+0.6	+1.3	+0.4	3,296	3,276	3,205	3,157	+4.4
Primary metals	7,447	7,397	7,393	+0.7	+0.1	+0.5	7,597	7,468	7,412	8,193	-7.3
Fabricated metal products	10,739	10,583	10,537	+1.5	+0.4	+0.9	10,836	10,618	10,579	10,884	-0.4
Industrial machinery and equipment	20,103	19,875	19,959	+1.1	-0.4	-0.2	20,300	20,159	20,090	19,933	+1.8
Electronic and other electrical equipment	16,161	16,112	16,420	+0.3	-1.9	+3.2	16,209	16,367	16,793	15,612	+3.8
Transportation equipment	15,258	15,209	15,406	+0.3	-1.3	+0.9	15,286	15,205	15,662	15,596	-2.0
Instruments and related products	9,126	9,152	9,075	-0.3	+0.8	+0.7	9,162	9,281	9,117	9,267	-1.1
Lumber, furniture and miscellaneous durable goods	10,894	10,957	10,924	-0.6	+0.3	+0.7	11,096	10,916	10,724	11,238	-1.3
Nondurable goods industries	61,251	60,895	60,997	+0.6	-0.2	+0.1	60,976	60,404	60,876	62,445	-2.4
Food and kindred products	11,413	11,513	11,543	-0.9	-0.3	-0.4	11,208	11,214	11,342	11,244	-0.3
Tobacco products	4,564	4,555	4,568	+0.2	-0.3	-0.6	4,449	4,333	4,209	4,857	-8.4
Textile mill products	2,949	2,875	2,828	+2.6	+1.7	-1.6	2,902	2,873	2,872	2,922	-0.7
Paper and allied products	7,807	7,713	7,713	+1.2	0.0	+0.1	7,795	7,679	7,668	8,042	-3.1
Chemicals and allied products	15,286	15,303	15,654	-0.1	-2.2	+1.2	15,257	15,261	15,784	15,605	-2.2
Petroleum and coal products	3,426	3,280	3,262	+4.5	+0.6	+0.4	3,426	3,270	3,288	3,240	+5.7
Rubber and plastics products	7,101	7,045	6,916	+0.8	+1.9	+0.9	7,089	6,975	6,968	6,807	+4.1
Apparel, printing and publishing and leather goods	8,705	8,611	8,513	+1.1	+1.2	-0.7	8,850	8,799	8,745	9,728	-9.0
WORK IN PROCESS											
All manufacturing industries	145,366	145,232	147,073	+0.1	-1.3	+0.3	145,784	147,284	147,799	151,584	-3.8
Durable goods industries	115,288	115,260	116,737	0.0	-1.3	+0.6	115,560	117,387	117,417	122,089	-5.3
Stone, clay, and glass products	1,530	1,516	1,469	+0.9	+3.2	+1.1	1,504	1,535	1,486	1,306	+15.2
Primary metals	8,056	8,121	8,166	-0.8	-0.6	-0.4	8,065	8,185	8,283	8,582	-6.0
Fabricated metal products	9,022	8,970	8,969	+0.6	0.0	0.0	9,119	9,083	9,062	9,082	+0.4
Industrial machinery and equipment	21,425	21,582	21,839	-0.7	-1.2	+0.6	21,382	22,067	21,890	22,802	-6.2
Electronic and other electrical equipment	13,858	14,057	14,119	-1.4	-0.4	-0.3	13,773	14,366	14,232	14,017	-1.7
Transportation equipment	45,635	45,435	46,856	+0.4	-3.0	+1.2	45,961	46,239	46,821	51,213	-10.3
Instruments and related products	10,140	10,024	9,926	+1.2	+1.0	+0.3	10,045	10,276	10,185	9,749	+3.0
Lumber, furniture and miscellaneous durable goods	5,622	5,555	5,393	+1.2	+3.0	+0.3	5,711	5,636	5,458	5,338	+7.0
Nondurable goods industries	30,078	29,972	30,336	+0.4	-1.2	-0.7	30,224	29,897	30,382	29,495	+2.5
Food and kindred products	6,099	6,109	6,137	-0.2	-0.5	-0.1	6,126	5,637	5,636	5,575	+9.9
Tobacco products	80	78	82	+2.6	-4.9	0.0	85	76	78	107	-20.6
Textile mill products	2,412	2,420	2,473	-0.3	-2.1	-0.7	2,425	2,429	2,491	2,660	-8.8
Paper and allied products	1,679	1,664	1,662	+0.9	+0.1	-0.5	1,650	1,671	1,670	1,546	+6.7
Chemicals and allied products	8,906	8,860	9,122	+0.5	-2.9	-1.8	8,791	8,953	9,314	8,584	+2.4
Petroleum and coal products	2,906	2,854	2,639	+1.8	+8.1	+2.4	2,976	2,905	2,636	2,663	+11.8
Rubber and plastics products	2,283	2,260	2,305	+1.0	-2.0	-0.5	2,280	2,258	2,280	2,205	+3.4
Apparel, printing and publishing and leather goods	5,713	5,727	5,916	-0.2	-3.2	-1.1	5,891	5,968	6,277	6,155	-4.3
FINISHED GOODS											
All manufacturing industries	165,734	165,693	164,055	0.0	+1.0	+0.6	164,334	166,816	164,261	159,498	+3.0
Durable goods industries	84,443	84,670	83,850	-0.3	+1.0	+0.3	82,761	85,069	83,994	79,764	+3.8
Stone, clay, and glass products	4,919	4,964	4,800	-0.9	+3.4	+1.1	4,746	4,881	4,823	4,586	+3.5
Primary metals	8,096	8,142	8,134	-0.6	+0.1	+0.2	8,005	8,133	8,102	8,137	-1.6
Fabricated metal products	11,455	11,475	11,499	-0.2	-0.2	+1.5	11,084	11,348	11,557	10,865	+2.0
Industrial machinery and equipment	18,681	18,533	17,993	+0.8	-3.0	-0.9	18,070	18,492	17,773	17,690	+2.1
Electronic and other electrical equipment	11,190	11,035	10,682	+1.4	+3.3	-2.2	10,931	11,295	10,807	10,223	+6.9
Transportation equipment	9,916	10,224	10,141	-3.0	+0.8	+1.1	9,918	10,483	10,229	9,126	+8.7
Instruments and related products	7,847	7,884	7,929	-0.5	-0.6	+3.3	7,901	8,034	7,974	7,529	+4.9
Lumber, furniture and miscellaneous durable goods	12,339	12,413	12,672	-0.6	-2.0	+0.8	12,106	12,403	12,729	11,608	+4.3
Nondurable goods industries	81,291	81,023	80,205	+0.3	+1.0	+0.8	81,573	81,747	80,267	79,734	+2.3
Food and kindred products	20,574	20,396	20,339	+0.9	+0.3	+0.2	21,624	20,842	19,968	21,100	+2.5
Tobacco products	511	516	510	-1.0	+1.2	-4.0	467	396	358	613	-23.8
Textile mill products	4,761	4,735	4,725	+0.5	+0.2	-0.4	4,647	4,784	4,800	4,534	+2.5
Paper and allied products	6,599	6,551	6,634	+0.7	-1.3	-0.9	6,475	6,537	6,633	6,756	-4.2
Chemicals and allied products	22,409	22,456	22,072	-0.2	+1.7	+1.2	21,933	22,374	21,921	21,588	+1.6
Petroleum and coal products	5,517	5,454	5,243	+1.2	+4.0	+5.1	5,676	5,553	5,351	4,964	+14.3
Rubber and plastics products	8,078	7,956	7,829	+1.5	+1.6	+1.3	7,775	7,852	7,813	7,258	+7.1
Apparel, printing and publishing and leather goods	12,842	12,959	12,853	-0.9	+0.8	+0.6	12,976	13,409	13,423	12,921	+0.4

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1999[p]	Aug. 1999[r]	July 1999	June 1999	Sept. 1999[p]	Aug. 1999[r]	July 1999	June 1999
ll manufacturing industries	1.30	1.28	1.30	1.30	2.58	2.53	2.55	2.57
able goods industries	1.45	1.42	1.44	1.45	3.02	2.95	2.98	3.01
one, clay, and glass products	1.09	1.10	1.10	1.10	0.69	0.70	0.73	0.74
imary metals	1.54	1.56	1.59	1.61	2.10	2.10	2.11	2.09
bricated metal products	1.53	1.49	1.52	1.50	1.31	1.29	1.31	1.31
dustrial machinery and equipment	1.60	1.55	1.52	1.60	2.26	2.15	2.10	2.20
ectronic and other lectrical equipment	1.16	1.17	1.17	1.20	2.14	2.04	1.94	1.93
ansportation equipment	1.45	1.39	1.48	1.44	8.75	8.23	8.96	8.78
struments and related products	1.85	1.87	1.88	1.82	3.15	3.23	3.28	3.23
durable goods industries	1.10	1.10	1.11	1.11	0.66	0.67	0.65	0.65
od and kindred products	0.90	0.91	0.92	0.90	(X)	(X)	(X)	(X)
bacco products	1.21	1.21	1.21	1.23	(X)	(X)	(X)	(X)
xtile mill products	1.56	1.54	1.53	1.57	(NA)	(NA)	(NA)	(NA)
per and allied products	1.16	1.14	1.18	1.19	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.33	1.33	1.36	1.35	(X)	(X)	(X)	(X)
troleum and coal products	0.75	0.76	0.77	0.79	(X)	(X)	(X)	(X)
bber and plastics products	1.28	1.25	1.27	1.24	(X)	(X)	(X)	(X)

' Preliminary. ' Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; or vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; oleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1999	Sept.[2] 1994-1998	Sept 1998-Aug. 1999	Sept.[1] 1999	Sept.[2] 1994-1998	Sept. 1998-Aug. 1999	Sept.[1] 1999	Sept.[2] 1994-1998	Sept. 1998-Aug. 1999	Sept.[1] 1999	Sept.[2] 1994-1998	Sept. 1998-Aug. 1999
manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.1	0.0
le goods industries	0.1	0.2	0.2	0.0	0.2	0.4	-0.1	0.0	0.1	(X)	0.1	0.0
e, clay, and glass products	(X)	0.6	0.4	(X)	0.7	0.5	(X)	0.4	0.5	(X)	0.1	0.2
ary metals	0.1	0.2	0.2	0.1	0.9	0.8	0.0	0.4	0.3	(X)	0.1	0.0
icated metal products	(X)	0.3	0.2	(X)	0.5	0.5	(X)	0.2	0.3	(X)	0.2	0.1
strial machinery and equipment	-1.0	0.5	0.4	-1.1	0.6	0.3	0.0	0.2	0.1	(X)	0.1	0.1
tronic and other ctrical equipment	0.8	0.3	0.4	0.9	0.5	1.2	0.2	0.2	0.6	(X)	0.2	0.2
sportation equipment	0.6	0.7	0.6	-0.3	1.0	0.9	-0.1	0.1	0.1	(X)	0.2	0.2
uments and related products	(X)	0.5	0.6	(X)	1.8	1.3	(X)	0.4	0.4	(X)	0.2	0.1
rable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.2	(X)	0.1	0.1
d and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
acco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
ile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
r and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
nicals and allied products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
oleum and coal products	(X)	0.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.6
ber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
l goods industries :												
defense	0.3	0.5	0.3	0.1	0.5	0.5	-0.1	0.1	0.1	(X)	0.0	0.1
nse	0.9	1.0	0.6	-2.1	1.4	4.5	0.0	0.1	0.3	(X)	0.4	0.2

() Not applicable. (NA) Not available.

ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The hly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the le goods industries are shown in the advance report for the month.

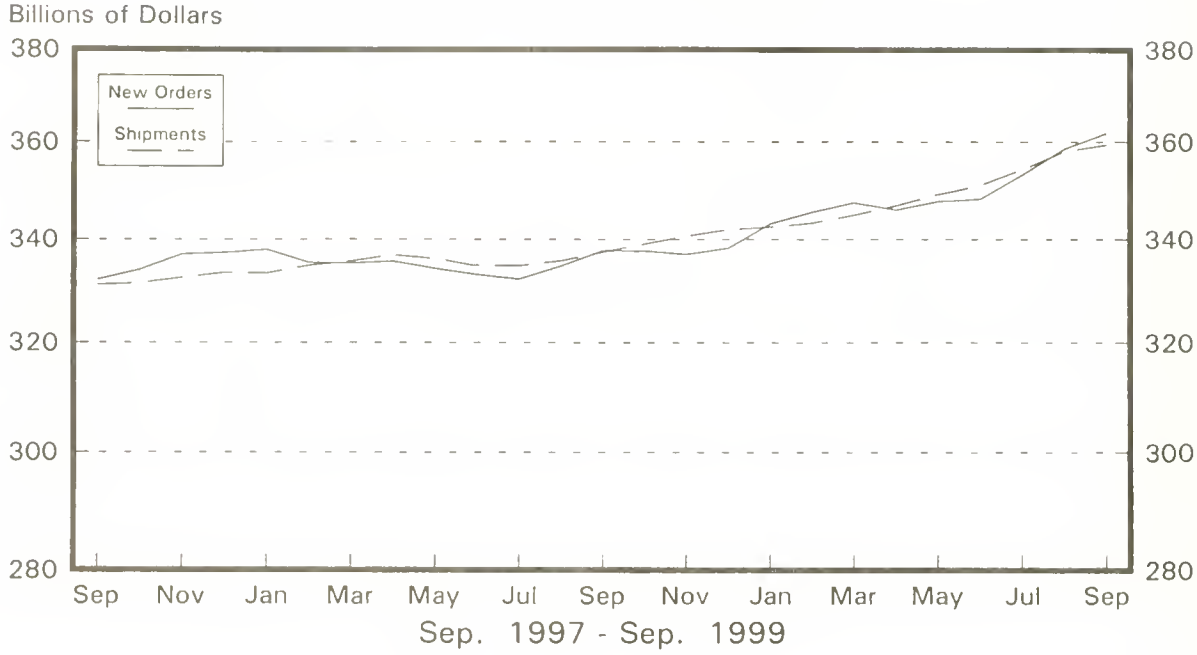
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of table 2 relating to survey error and revision

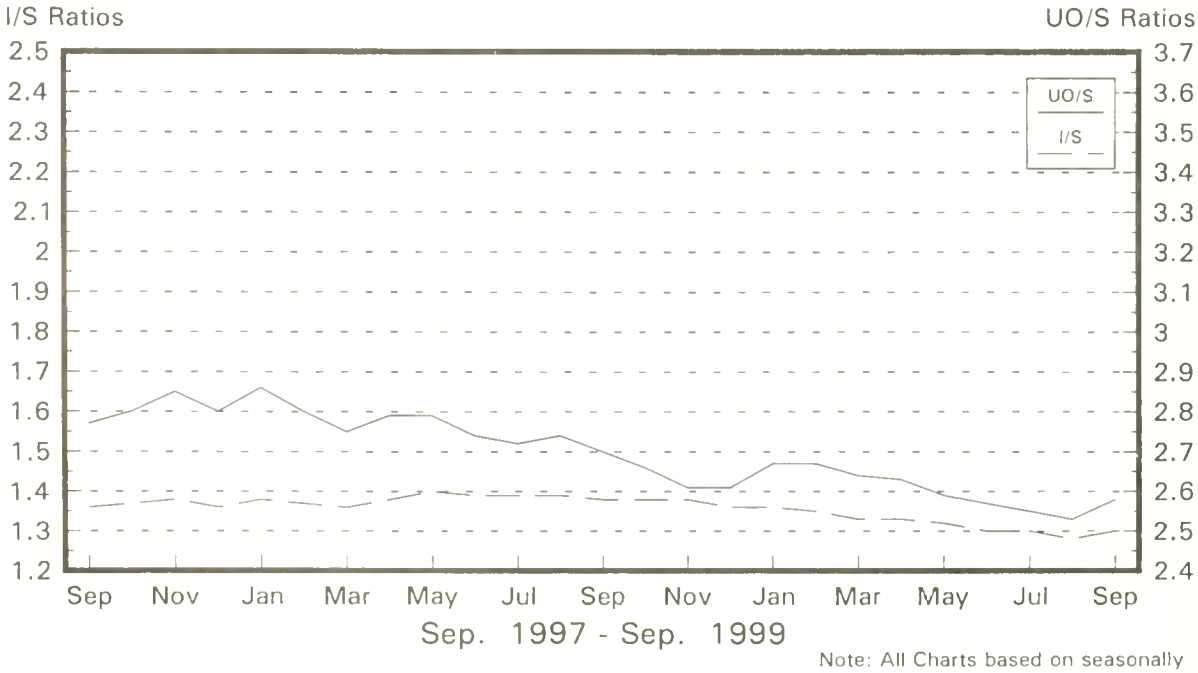
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

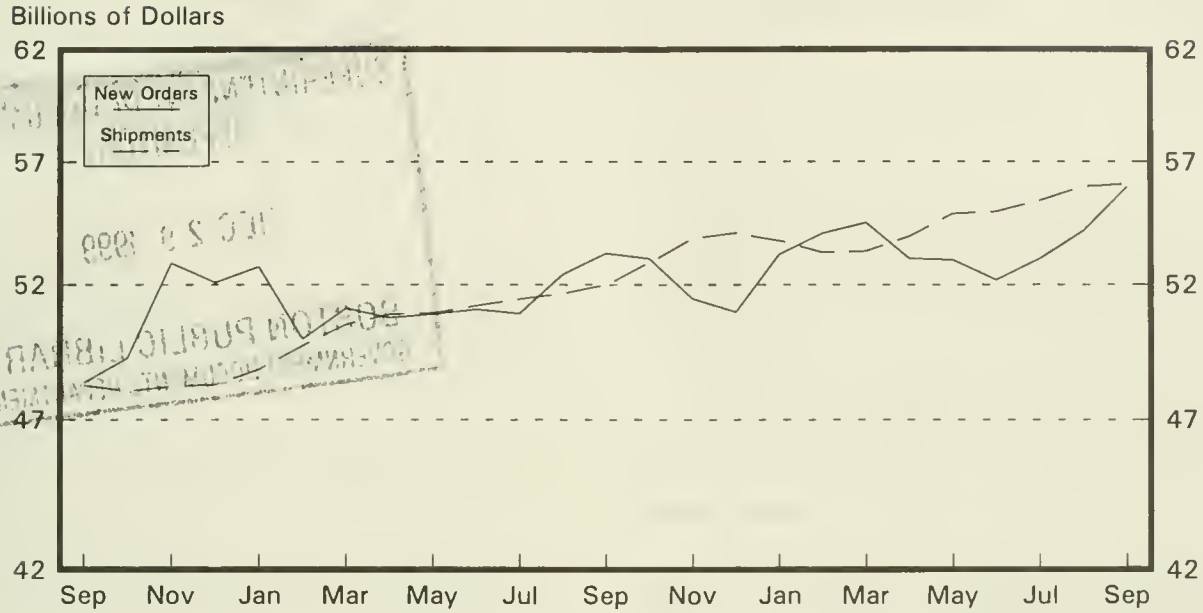
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

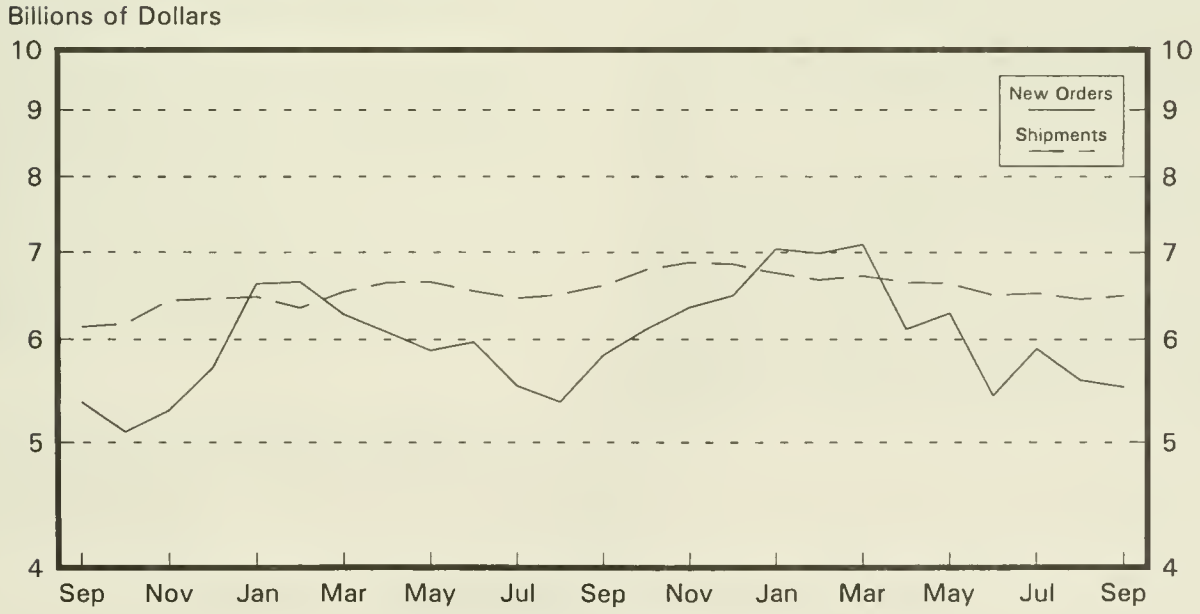
New Orders and Shipments
Three Month Moving Averages



Sep. 1997 - Sep. 1999

Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Sep. 1997 - Sep. 1999

Note: All Charts based on seasonally adjusted current dollars.

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For Questions - Frances Porter or Lee Wentela
(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October decreased $0.9 billion or 0.2 percent to $360.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.0 percent September decrease. Excluding transportation, new orders decreased 0.5 percent. Year-to-date, new orders are 5.4 percent above the same period a year ago.

Shipments increased $1.5 billion or 0.4 percent to $360.3 billion, following a 0.9 percent September decrease. This is the fifth increase in the last six months. Year-to-date, shipments are 4.8 percent above the same period a year ago.

Unfilled orders decreased $0.3 billion to $525.2 billion, following a 0.4 percent September increase. This is the first decrease since June. The unfilled orders-to-shipments ratio was 2.56, down from 2.58 in September.

Inventories increased $1.4 billion or 0.3 percent to $467.0 billion, following a 0.3 percent September increase. The inventories-to-shipments ratio was 1.30, unchanged from September.

New Orders

New orders for manufactured durable goods in October decreased $2.5 billion or 1.2 percent to $201.9 billion, revised from the previously published 1.3 percent decrease.

Electronic and other electrical equipment had the largest decrease, $4.0 billion or 10.4 percent to $34.7 billion. This is the first decrease since May 1999 and the largest since July 1997. Industrial machinery and equipment increased $0.7 billion or 1.7 percent to $39.7 billion. Transportation equipment, up five of the last six months, increased $0.6 billion or 1.3 percent to $47.2 billion.

New orders for nondurable goods, up five of the last six months, increased $1.6 billion or 1.0 percent to $158.1 billion. Paper and allied products and chemicals and allied products had the largest increases.

Shipments

Shipments of durable goods in October increased $0.7 billion or 0.3 percent to $202.6 billion, revised from the previously published 0.7 percent increase. This is the fifth increase in the last six months.

Industrial machinery and equipment had the largest increase, $1.9 billion or 4.9 percent to $39.6 billion. Transportation equipment decreased $0.8 billion or 1.7 percent to $47.7 billion. Electronic and other electrical equipment, down three consecutive months, decreased $0.5 billion or 1.4 percent to $34.8 billion.

Shipments of nondurable goods increased $0.9 billion or 0.6 percent to $157.7 billion. This is the sixth consecutive increase. Chemicals and allied products, up six consecutive months, increased $0.5 billion or 1.3 percent to $35.5 billion.

Unfilled Orders

Unfilled orders for durable goods in October decreased $0.7 billion or 0.1 percent to $499.6 billion, revised from the previously published 0.5 percent decrease. This is the first decrease since June. Transportation equipment, down nine consecutive months, had the largest decrease, $0.5 billion or 0.2 percent to $225.7 billion. Instruments and related products, down five consecutive months, decreased $0.3 billion or 0.7 percent to $46.0 billion.

Inventories

Inventories of durable goods in October increased $0.3 billion or 0.1 percent to $293.2 billion.

Electronic and other electrical equipment had the largest increase, $0.4 billion or 1.1 percent to $42.0 billion. This is the eighth increase in the last nine months and the largest since February. Transportation equipment, down seven of the last eight months, decreased $0.3 billion or 0.5 percent to $70.4 billion.

Inventories of nondurable goods, up seven of the last eight months, increased $1.1 billion or 0.6 percent to $173.9 billion. Food and kindred products had the largest increase, $0.5 billion or 1.4 percent to $38.7 billion.

By stage of fabrication, October finished goods increased 0.4 percent in durables and 1.0 percent in nondurables. Work in process increased 0.2 percent in durables and 1.1 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.1 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for November is scheduled for December 23, 1999 at 8:30 a.m. and the full report on January 5, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Oct. 1998	Oct. 99/98	1999[p]	1998
All manufacturing industries	360,255	358,709	361,844	+0.4	-0.9	+1.3	370,154	384,195	363,407	350,525	+5.6	3,529,290	3,368,786
Manufacturing Industries													
with unfilled orders	205,137	203,501	206,643	+0.8	-1.5	+1.2	208,301	221,109	204,760	200,633	+3.8	2,006,706	1,930,545
without defense capital goods	353,783	352,254	355,376	+0.4	-0.9	+1.3	363,672	377,344	357,194	343,522	+5.9	3,465,201	3,303,852
Durable goods industries	202,570	201,895	205,709	+0.3	-1.9	+1.2	207,029	219,306	203,223	199,125	+4.0	1,994,545	1,883,035
With unfilled orders	167,377	165,775	168,889	+1.0	-1.8	+1.4	169,045	181,172	165,533	162,408	+4.1	1,633,300	1,555,630
Stone, clay, and glass products	8,868	8,867	8,859	0.0	+0.1	+3.3	9,450	9,456	9,358	8,757	+7.9	86,931	80,747
Primary metals	15,168	15,298	15,204	-0.8	+0.6	+2.0	15,547	15,852	15,298	14,935	+4.1	148,860	154,062
Blast furnaces, steel mills	5,865	5,814	5,824	+0.9	-0.2	+2.5	6,018	5,949	5,897	5,851	+2.9	57,356	62,548
Iron and steel foundries	1,469	1,540	1,554	-4.6	-0.9	-0.8	1,555	1,634	1,575	1,603	-3.0	15,521	15,299
Nonferrous and other primary metals	7,834	7,944	7,826	-1.4	+1.5	+2.2	7,974	8,269	7,826	7,481	+6.6	75,983	76,215
Fabricated metal products	20,296	20,377	20,781	-0.4	-1.9	+1.9	21,399	21,576	21,368	21,391	0.0	206,059	200,288
Industrial machinery and equipment	39,601	37,742	38,691	+4.9	-2.5	-1.9	38,387	41,716	36,108	35,476	+8.2	376,440	367,689
Engines and turbines	2,616	2,708	2,732	-3.4	-0.9	+6.5	2,523	3,026	2,467	2,250	+12.1	24,352	21,902
Farm and garden machinery	1,572	1,688	1,753	-6.9	-3.7	-0.5	1,402	1,550	1,416	1,624	-13.7	19,195	21,285
Construction, mining and material handling equipment	3,709	3,793	3,743	-2.2	+1.3	-1.2	3,637	3,868	3,569	4,044	-10.1	39,054	42,824
Metalworking machinery	4,070	3,840	3,712	+6.0	+3.4	+2.1	4,553	4,352	3,553	3,882	+17.3	35,992	34,200
Computer and office equipment	12,975	11,112	11,972	+16.8	-7.2	-8.8	11,497	13,835	10,849	9,633	+19.4	113,332	105,035
Electronic and other electrical equipment	34,830	35,307	35,339	-1.4	-0.1	-0.1	34,759	40,421	34,123	32,427	+7.2	335,439	305,012
Electrical transmission and distribution equipment and industrial apparatus	3,769	3,933	4,141	-4.2	-5.0	+4.3	3,602	4,499	4,088	3,522	+2.3	38,283	36,87
Household appliances	2,336	2,221	2,432	+5.2	-8.7	+0.6	2,304	2,344	2,474	2,067	+11.5	23,588	20,896
Electric lighting and wiring equipment	2,490	2,535	2,539	-1.8	-0.2	+3.8	2,436	2,871	2,536	2,225	+9.5	23,794	22,11
Household audio and video equipment	1,001	1,061	1,090	-5.7	-2.7	-2.6	1,266	1,278	1,138	1,340	-5.5	10,400	9,99
Communications equipment	8,492	8,893	8,723	-4.5	+1.9	-1.5	7,872	10,521	7,679	6,995	+12.5	80,573	67,86
Electronic components	14,574	14,322	14,071	+1.8	+1.8	-1.4	14,828	16,134	13,894	13,649	+8.6	136,506	125,96
Transportation equipment	47,730	48,555	50,980	-1.7	-4.8	+4.4	50,956	51,593	51,079	51,680	-1.4	485,435	440,48
Motor vehicles and parts	32,946	33,908	34,669	-2.8	-2.2	+0.3	36,584	35,918	35,318	35,596	+2.8	335,722	298,69
Aircraft, missiles, space vehicles, and parts	11,496	10,890	12,808	+5.6	-15.0	+17.7	11,037	11,505	12,132	12,335	-10.5	115,198	109,88
Shipbuilding and tanks	995	1,217	1,056	-18.2	+15.2	+7.6	959	1,303	1,027	1,475	-35.0	9,866	9,87
Instruments and related products	14,863	14,797	14,474	+0.4	+2.2	+0.9	14,590	16,386	13,975	13,698	+6.5	143,250	139,01
Search and navigation equipment	3,175	3,119	3,125	+1.8	-0.2	-2.6	3,082	3,424	3,014	3,074	+0.3	31,171	30,21
Measuring and controlling devices	4,379	4,307	4,257	+1.7	+1.2	+2.2	4,319	4,720	4,217	3,838	+12.5	41,511	40,27
Medical instruments and supplies	4,864	4,975	4,759	-2.2	+4.5	+1.3	4,618	5,569	4,528	4,309	+7.2	47,530	44,48
Photographic goods	1,944	1,897	1,835	+2.5	+3.4	+1.2	2,081	2,149	1,719	2,032	+2.4	18,157	19,47
All other durable goods	21,214	20,952	21,381	+1.3	-2.0	-0.2	21,941	22,306	21,914	20,761	+5.7	212,130	195,73
Nondurable goods industries	157,685	156,814	156,135	+0.6	+0.4	+1.4	163,125	164,889	160,184	151,400	+7.7	1,534,745	1,485,75
With unfilled orders	37,760	37,726	37,754	+0.1	-0.1	+0.2	39,256	39,937	39,227	38,225	+2.7	373,406	374,91
Food and kindred products	42,292	42,142	41,767	+0.4	+0.9	+1.1	43,815	44,064	42,498	42,783	+2.4	416,049	407,24
Meat products	9,346	9,211	9,061	+1.5	+1.7	+3.3	9,604	9,457	9,419	8,773	+9.5	88,771	87,17
Dairy products	6,450	6,538	6,511	-1.3	+0.4	+3.8	6,314	6,759	6,535	6,339	-0.4	64,261	61,27
Beverages	6,445	6,399	6,333	+0.7	+1.0	+0.3	6,455	6,593	6,815	6,114	+5.6	63,937	61,61
All other foods, except fats and oils	18,142	18,201	18,138	-0.3	+0.3	-0.6	19,533	19,462	18,005	19,470	+0.3	180,672	176,50
Tobacco products	4,435	4,275	4,257	+3.7	+0.4	-0.2	4,522	4,132	4,319	3,659	+23.6	41,923	34,36
Textile mill products	6,619	6,502	6,514	+1.8	-0.2	-0.4	6,989	7,130	6,912	6,836	+2.2	65,787	68,26
Broadwoven fabrics and other textiles	3,630	3,609	3,657	+0.6	-1.3	-1.5	3,699	3,963	3,765	3,948	-6.3	37,340	41,23
Paper and allied products	13,767	13,777	13,949	-0.1	-1.2	+2.8	14,073	14,250	14,220	13,735	+2.5	136,360	138,87
Pulp, paper, and paperboard mill products	5,243	5,361	5,470	-2.2	-2.0	+4.3	5,333	5,534	5,605	5,235	+1.9	52,329	53,65
Paperboard containers and boxes	3,638	3,541	3,570	+2.7	-0.8	+5.3	3,793	3,620	3,669	3,545	+7.0	34,349	36,10
Miscellaneous converted paper products	4,886	4,875	4,909	+0.2	-0.7	-0.6	4,947	5,096	4,946	4,955	-0.2	49,682	49,11
Chemicals and allied products	35,495	35,040	35,028	+1.3	0.0	+1.3	35,051	36,521	34,532	31,536	+11.1	343,236	327,36
Industrial chemicals	15,957	15,677	15,296	+1.8	+2.5	+0.2	15,886	16,007	15,274	14,397	+10.3	151,889	151,72
Drugs, soaps, and toiletries	15,689	15,481	15,731	+1.3	-1.6	+1.8	15,813	17,153	15,639	13,850	+14.2	151,239	135,66
Petroleum and coal products	15,582	15,663	15,218	-0.5	+2.9	+4.5	16,687	16,642	16,227	12,267	+36.0	137,475	123,92
Rubber and plastics products	13,772	13,701	13,839	+0.5	-1.0	+3.5	14,339	14,291	14,131	13,796	+3.9	137,841	133,461
All other nondurable goods	25,723	25,714	25,563	0.0	+0.6	-1.1	27,649	27,859	27,345	26,788	+3.2	256,074	252,25

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Oct. 1998	Oct. 99/98	1999[p]	1998
All manufacturing industries	360,004	360,886	364,440	-0.2	-1.0	+1.3	374,020	380,404	365,069	347,900	+7.5	3,541,352	3,359,993
Manufacturing industries with unfilled orders	204,886	205,678	209,239	-0.4	-1.7	+1.2	212,167	217,318	206,422	198,008	+7.2	2,018,768	1,921,752
without defense capital goods	352,250	355,401	359,392	-0.9	-1.1	+1.7	365,933	375,331	361,402	342,165	+6.9	3,481,991	3,303,101
Durable goods industries	201,867	204,349	207,446	-1.2	-1.5	+0.9	211,122	216,720	204,162	197,533	+6.9	2,004,496	1,876,221
With unfilled orders	166,674	168,229	170,626	-0.9	-1.4	+1.1	173,138	178,586	166,472	160,816	+7.7	1,643,251	1,548,816
Stone, clay, and glass products	8,953	8,955	8,804	0.0	+1.7	+3.3	9,469	9,518	9,265	8,520	+11.1	86,926	80,749
Primary metals	15,370	15,461	15,659	-0.6	-1.3	-0.5	15,021	15,242	15,558	13,123	+14.5	150,681	147,574
Blast furnaces, steel mills	5,930	5,931	6,065	0.0	-2.2	+3.3	5,767	5,609	5,990	4,798	+20.2	58,397	58,823
Iron and steel foundries	1,494	1,445	1,632	+3.4	-11.5	+0.7	1,553	1,450	1,662	1,570	-1.1	14,905	15,163
Nonferrous and other primary metals	7,946	8,085	7,962	-1.7	+1.5	-3.3	7,701	8,183	7,906	6,755	+14.0	77,379	73,588
Fabricated metal products	20,034	20,168	20,814	-0.7	-3.1	+2.6	20,862	21,143	21,361	21,088	-1.1	205,151	199,882
Industrial machinery and equipment	39,745	39,077	39,110	+1.7	-0.1	-2.8	39,121	43,040	36,479	34,785	+12.5	382,946	368,420
Engines and turbines	2,811	3,793	2,998	-25.9	+26.5	+3.2	3,057	4,585	2,897	2,994	+2.1	30,216	26,694
Construction, mining and material handling equipment	3,550	3,586	3,674	-1.0	-2.4	-0.6	3,551	3,612	3,302	3,839	-7.5	37,671	42,147
Metalworking machinery	4,025	3,962	3,751	+1.6	+5.6	-4.4	4,508	4,474	3,592	3,641	+23.8	36,633	33,951
Computer and office equipment	12,788	11,017	12,112	+16.1	-9.0	-8.8	11,296	13,589	10,956	9,522	+18.6	113,638	105,288
Electronic and other electrical equipment	34,724	38,734	38,616	-10.4	+0.3	+1.7	40,284	40,871	37,824	37,676	+6.9	357,336	314,502
Electrical transmission and distribution equipment and industrial apparatus	3,907	3,904	4,452	+0.1	-12.3	+10.0	3,836	4,326	4,436	3,641	+5.4	39,021	36,733
Electric lighting and wiring equipment	2,563	2,242	2,466	+14.3	-9.1	-2.3	2,509	2,578	2,463	2,245	+11.8	23,854	22,194
Communications equipment	10,593	10,261	8,361	+3.2	+22.7	-6.0	10,876	11,516	7,295	7,388	+47.2	85,263	71,029
Electronic components	12,027	16,801	17,604	-28.4	-4.6	+5.5	16,755	16,257	17,722	18,111	-7.5	153,031	132,366
Transportation equipment	47,217	46,593	49,000	+1.3	-4.9	+3.7	49,923	49,046	48,278	48,013	+4.0	466,675	432,431
Aircraft, missiles, space vehicles, and parts	10,829	9,480	11,415	+14.2	-17.0	+10.8	10,033	9,687	9,845	8,842	+13.5	100,657	102,025
Shipbuilding and tanks	992	785	577	+26.4	+36.0	-15.1	940	892	537	1,939	-51.5	8,796	9,958
Instruments and related products	14,533	14,440	14,111	+0.6	+2.3	-0.4	14,265	15,809	13,632	13,397	+6.5	141,695	136,535
Search and navigation equipment	2,958	2,883	2,813	+2.6	+2.5	-2.2	2,622	3,161	2,492	2,412	+8.7	29,567	27,416
Measuring and controlling devices	4,287	4,334	4,082	-1.1	+6.2	-2.0	4,227	4,747	4,042	3,841	+10.0	41,411	39,638
Medical instruments and supplies	4,815	4,823	4,867	-0.2	-0.9	+0.6	4,827	5,236	4,874	4,701	+2.7	47,780	46,104
All other durable goods	21,291	20,921	21,332	+1.8	-1.9	-0.1	22,177	22,051	21,765	20,931	+6.0	213,136	196,128
Nondurable goods industries	158,137	156,537	156,994	+1.0	-0.3	+1.7	162,898	163,684	160,907	150,367	+8.3	1,536,856	1,483,772
With unfilled orders	38,212	37,449	38,613	+2.0	-3.0	+1.5	39,029	38,732	39,950	37,192	+4.9	375,517	372,936

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct 1999[p]	Sept 1999[r]	Aug 1999	Sept - Oct.	Aug - Sept	July - Aug	Oct 1999[p]	Sept 1999[r]	Aug 1999	Oct 1998	Oct 99/98
All manufacturing industries	525,188	525,439	523,262	0.0	+0.4	+0.5	525,099	521,233	525,024	522,765	+0.4
Manufacturing industries without defense capital goods	432,498	434,031	430,884	-0.4	+0.7	+0.9	434,114	431,853	433,866	428,591	+1.3
Durable goods industries	499,640	500,343	497,889	-0.1	+0.5	+0.4	500,042	495,949	498,535	499,520	+0.1
Stone, clay, and glass products	6,142	6,057	5,969	+1.4	+1.5	-0.9	6,066	6,047	5,985	6,178	-1.8
Primary metals	32,316	32,114	31,951	+0.6	+0.5	+1.4	30,668	31,194	31,804	27,850	+10.1
Blast furnaces, steel mills	12,957	12,892	12,775	+0.5	+0.9	+1.9	12,076	12,327	12,667	10,633	+13.6
Iron and steel foundries	4,901	4,876	4,971	+0.5	-1.9	+1.6	4,736	4,738	4,922	5,340	-11.3
Nonferrous and other primary metals	14,458	14,346	14,205	+0.8	+1.0	+1.0	13,856	14,129	14,215	11,877	+16.7
Fabricated metal products	24,762	25,024	25,233	-1.0	-0.8	+0.1	24,526	25,063	25,496	25,944	-5.5
Industrial machinery and equipment	80,957	80,813	79,478	+0.2	+1.7	+0.5	80,947	80,213	78,889	74,156	+9.2
Engines and turbines	24,061	23,866	22,781	+0.8	+4.8	+1.2	24,589	24,055	22,496	17,325	+41.9
Construction, mining and material handling equipment	8,560	8,719	8,926	-1.8	-2.3	-0.8	8,250	8,336	8,592	9,689	-14.9
Metalworking machinery	7,087	7,132	7,010	-0.6	+1.7	+0.6	7,087	7,132	7,010	6,894	+2.8
Computer and office equipment	8,197	8,384	8,479	-2.2	-1.1	+1.7	8,247	8,448	8,694	7,885	+4.6
Electronic and other electrical equipment	75,346	75,452	72,025	-0.1	+4.8	+4.8	79,703	74,178	73,728	62,795	+26.9
Electrical transmission and distribution equipment and industrial apparatus	6,927	6,789	6,818	+2.0	-0.4	+4.8	6,919	6,685	6,858	6,374	+8.6
Electric lighting and wiring equipment	5,082	5,009	5,302	+1.5	-5.5	-1.4	5,082	5,009	5,302	5,006	+1.5
Communications equipment	21,263	19,162	17,794	+11.0	+7.7	-2.0	21,747	18,743	17,748	17,500	+24.3
Electronic components	36,336	38,883	36,404	-6.6	+6.8	+10.7	40,180	38,253	38,130	27,937	+43.8
Transportation equipment	225,709	226,222	228,184	-0.2	-0.9	-0.9	223,824	224,857	227,404	246,459	-9.2
Aircraft, missiles, space vehicles, and parts	191,116	191,783	193,193	-0.3	-0.7	-0.7	189,467	190,471	192,289	210,264	-9.[illegible]
Shipbuilding and tanks	18,213	18,216	18,648	0.0	-2.3	-2.5	18,252	18,271	18,682	18,511	-1.[illegible]
Instruments and related products	45,999	46,329	46,686	-0.7	-0.8	-0.8	45,630	45,955	46,532	47,651	-4.[illegible]
Search and navigation equipment	25,364	25,581	25,817	-0.8	-0.9	-1.2	24,824	25,284	25,547	26,447	-6.[illegible]
Measuring and controlling devices	10,085	10,177	10,150	-0.9	+0.3	-1.7	10,085	10,177	10,150	10,214	-1.[illegible]
Medical instruments and supplies	9,648	9,697	9,849	-0.5	-1.5	+1.1	9,836	9,627	9,960	10,047	-2.[illegible]
All other durable goods	8,409	8,332	8,363	+0.9	-0.4	-0.6	8,678	8,442	8,697	8,487	+2.[illegible]
Nondurable goods industries	25,548	25,096	25,373	+1.8	-1.1	+3.5	25,057	25,284	26,489	23,245	+7.[illegible]

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Oct 1998	Oct 99/98
All manufacturing industries	467,044	465,669	464,351	+0.3	+0.3	-0.1	468,566	465,082	467,794	471,645	-0.7
anufacturing industries											
vith unfilled orders	308,960	308,999	308,152	0.0	+0.3	-0.3	309,288	308,986	312,270	316,425	-2.3
vithout defense capital goods	448,472	446,803	445,755	+0.4	+0.2	-0.2	449,827	445,929	448,795	452,403	-0.6
urable goods industries	293,181	292,901	292,461	+0.1	+0.2	-0.4	293,419	292,311	295,746	298,510	-1.7
With unfilled orders	268,311	268,386	267,761	0.0	+0 2	-0.3	268,803	268,212	271,238	275,050	-2.3
one, clay, and glass products	9,811	9,724	9,726	+0.9	0.0	+2.7	9,473	9,549	9,692	8,894	+6.5
imary metals	23,819	23,652	23,660	+0.7	0.0	-0.1	23,778	23,677	23,786	24,694	-3.7
Blast furnaces, steel mills	11,294	11,250	11,317	+0.4	-0.6	-0.7	11,366	11,319	11,411	12,350	-8.0
Iron and steel foundries	1,579	1,576	1,595	+0.2	-1.2	-0.6	1,534	1,541	1,568	1,539	-0.3
Nonferrous and other primary metals	10,946	10,826	10,748	+1.1	+0.7	+0.5	10,878	10,817	10,807	10,805	+0.7
bricated metal products	31,338	31,182	31,028	+0.5	+0.5	+0.1	31,077	30,991	31,049	30,767	+1.0
lustrial machinery and equipment	59,871	60,139	59,990	-0.4	+0.2	+0.3	59,768	59,763	60,718	60,710	-1.6
Engines and turbines	4,533	4,445	4,468	+2.0	-0.5	-0.5	4,655	4,460	4,684	4,067	+14.5
Farm and garden machinery	3,663	3,614	3,560	+1.4	+1.5	+0.8	3,479	3,363	3,298	3,620	-3.9
Construction, mining and material handling equipment	8,854	8,852	8,840	0.0	+0.1	-0.4	8,768	8,709	8,740	8,832	-0.7
Metalworking machinery	8,162	8,101	8,006	+0.8	+1.2	0.0	8,234	8,261	8,353	7,920	+4.0
Computer and office equipment	8,579	9,183	9,169	-6.6	+0.2	+4.6	8,581	9,170	9,715	9,230	-7.0
ctronic and other ectrical equipment	41,955	41,518	41,204	+1.1	+0.8	0.0	42,172	41,195	42,028	40,656	+3.7
Electrical transmission and distribution equipment and industrial apparatus	5,318	5,293	5,253	+0.5	+0.8	+0.2	5,349	5,219	5,264	5,353	-0.1
Household appliances	2,406	2,393	2,336	+0.5	+2.4	-2.0	2,355	2,281	2,283	2,375	-0.8
lectric lighting and wiring equipment	3,771	3,694	3,604	+2.1	+2.5	+1.0	3,843	3,663	3,680	3,570	+7.6
lousehold audio and video equipment	1,069	1,066	1,023	+0.3	+4.2	-9.9	1,107	1,140	1,122	1,085	+2.0
'ommunications equipment	11,020	10,921	10,818	+0.9	+1.0	+0.6	11,154	10,950	11,112	10,469	+6.5
lectronic components	14,724	14,554	14,561	+1.2	0.0	+0.6	14,728	14,354	14,814	14,177	+3.9
nsportation equipment	70,430	70,749	70,868	-0.5	-0.2	-2.1	70,992	71,147	71,927	77,643	-8.6
lotor vehicles and parts	17,584	17,420	17,569	+0.9	-0.8	-0.6	17,559	17,492	17,955	16,765	+4.7
ircraft, missiles, space vehicles, and parts	46,556	47,276	47,082	-1.5	+0.4	-3.2	47,207	47,687	47,669	55,267	-14.6
hipbuilding and tanks	2,226	2,211	2,266	+0.7	-2.4	+1 9	2,169	2,207	2,278	1,786	+21.4
uments and related products	27,082	27,098	27,060	-0.1	+0.1	+0.5	27,207	27,106	27,591	26,759	+1.7
earch and navigation equipment	6,988	6,971	6,789	+0.2	+2.7	0.0	6,960	6,960	6,974	6,708	+3.8
leasuring and controlling devices	8,220	8,230	8,267	-0.1	-0.4	+1.8	8,201	8,209	8,402	7,982	+2.7
ledical instruments and supplies	8,772	8,810	8,842	-0.4	-0.4	0.0	8,873	8,791	9,008	8,585	+3.4
hotographic goods	2,351	2,331	2,406	+0.9	-3 1	-1.1	2,422	2,401	2,454	2,751	-12.0
other durable goods	28,875	28,839	28,925	+0.1	-0.3	-0.2	28,952	28,883	28,955	28,387	+2.0
durable goods industries	173,863	172,768	171,890	+0.6	+0.5	+0.2	175,147	172,771	172,048	173,135	+1.2
'ith unfilled orders	40,649	40,613	40,391	+0.1	+0.5	-0.2	40,485	40,774	41,032	41,375	-2.2
l and kindred products	38,674	38,139	38,018	+1.4	+0.3	0.0	40,815	38,860	37,693	39,453	+3.5
eat products	4,438	4,380	4,340	+1.3	+0.9	+1.3	4,430	4,315	4,251	4,038	+9.7
airy products	3,937	3,892	3,909	+1.2	-0.4	+0.9	3,937	3,855	3,979	3,803	+3.5
verages	8,663	8,600	8,726	+0.7	-1.4	+0.4	8,879	8,694	8,540	8,450	+5.1
l other foods, except fats and oils	19,951	19,651	19,466	+1.5	+1.0	-0.4	21,765	20,524	19,505	21,052	+3.4
icco products	5,180	5,177	5,149	+0.1	+0.5	-0.2	5,366	5,014	4,805	6,154	-12.8
ile mill products	10,067	10,112	10,030	-0.4	+0.8	0.0	9,905	9,975	10,086	10,095	-1.9
oadwoven fabrics and other textiles	6,084	6,113	6,126	-0.5	-0.2	+0.2	5,993	5,991	6,139	6,307	-5.0
r and allied products	16,125	16,133	15,928	0.0	+1.3	-0.5	15,892	16,003	15,887	16,260	-2.3
lp, paper, and paperboard mill products	6,307	6,324	6,326	-0.3	0.0	-1.3	6,215	6,260	6,300	6,667	-6.8
perboard containers and boxes	4,245	4,179	4,053	+1 6	+3.1	+2.0	4,168	4,170	4,041	4,108	+1.5
iscellaneous converted paper products	5,573	5,630	5,549	-1.0	+1.5	-1.4	5,509	5,573	5,546	5,485	+0.4
nicals and allied products	46,764	46,546	46,619	+0.5	-0.2	-0.5	46,275	45,926	46,588	45,792	+1.1
dustrial chemicals	19,203	19,176	19,214	+0.1	-0.2	-1.0	18,957	19,147	19,218	19,632	-3 4
ugs, soaps, and toiletries	21,758	21,527	21,512	+1.1	+0.1	-0.1	21,723	21,215	21,787	20,566	+5.6
leum and coal products	12,012	11,887	11,588	+1.1	+2.6	+4.0	12,253	12,106	11,728	10,939	+12.0
er and plastics products	17,714	17,492	17,261	+1.3	+1.3	+1.2	17,379	17,159	17,085	16,278	+6.8
ther nondurable goods	27,327	27,282	27,297	+0.2	-0.1	+0.1	27,262	27,728	28,176	28,164	-3.2

Preliminary. ' Revised.

e note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct 1999[p]	Sept 1999[r]	Aug 1999	Sept - Oct	Aug - Sept.	July-Aug	Oct 1999[p]	Sept 1999[r]	Aug 1999	Oct 1998	Oct 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	360,255	358,709	361,844	+0.4	-0.9	+1.3	370,154	384,195	363,407	350,525	+5.6	3,529,290	3,368,786
Market categories													
Automotive equipment	16,102	16,584	16,909	-2.9	-1.9	+0.6	17,935	17,914	17,352	17,281	+3.8	163,807	145,378
Home goods and apparel	20,011	19,711	20,051	+1.5	-1.7	+0.1	21,944	22,023	21,249	20,595	+6.6	200,243	190,251
Consumer staples	76,033	75,589	75,085	+0.6	+0.7	+1.5	78,353	79,898	76,810	71,153	+10.1	732,396	689,727
Machinery and equipment	69,104	67,932	70,348	+1.7	-3.4	+1.9	68,278	75,318	66,796	66,124	+3.3	672,985	636,024
Business supplies	26,988	26,898	26,885	+0.3	0.0	+0.7	27,853	28,057	27,108	26,308	+5.9	264,081	254,569
Construction materials and supplies	23,314	23,372	23,594	-0.2	-0.9	+0.9	24,299	24,912	24,830	22,944	+5.9	232,162	218,107
Defense products	6,711	6,719	6,678	-0.1	+0.6	-1.6	6,692	7,134	6,454	7,184	-6.8	66,578	68,162
Other materials, supplies and and intermediate products	121,992	121,904	122,294	+0.1	-0.3	+1.4	124,800	128,939	122,808	118,936	+4.9	1,197,038	1,166,568
Durable goods industries													
Nondefense capital goods [3]	56,514	54,891	57,287	+3.0	-4.2	+2.1	53,946	61,867	53,421	51,412	+4.9	540,263	508,221
Excluding aircraft and parts	48,448	47,392	47,915	+2.2	-1.1	-1.8	46,403	53,933	44,621	43,008	+7.9	459,178	432,924
Defense capital goods [4]	6,472	6,455	6,468	+0.3	-0.2	-1.8	6,482	6,851	6,213	7,003	-7.4	64,089	64,934
Durables excluding capital goods	139,584	140,549	141,954	-0.7	-1.0	+1.0	146,601	150,588	143,589	140,710	+4.2	1,390,193	1,309,880
Miscellaneous series													
Producers' durable equipment	131,949	130,948	134,795	+0.8	-2.9	+1.2	134,676	143,098	131,678	129,912	+3.7	1,301,226	1,218,169
Household durable goods	10,537	10,277	10,642	+2.5	-3.4	+0.5	11,219	11,518	10,707	10,080	+11.3	103,527	92,93
Information technology industries	28,740	27,163	27,719	+5.8	-2.0	-4.2	26,639	32,303	25,409	23,285	+14.4	262,913	240,54
Health care equipment and products	13,369	13,366	13,285	0.0	+0.6	+1.7	13,196	14,854	13,009	11,836	+11.5	129,579	118,19
NEW ORDERS													
All manufacturing industries	360,004	360,886	364,440	-0.2	-1.0	+1.3	374,020	380,404	365,069	347,900	+7.5	3,541,352	3,359,99
Market categories :													
Automotive equipment	16,150	16,559	16,945	-2.5	-2.3	+0.9	17,982	17,825	17,422	17,276	+4.1	163,913	145,25
Home goods and apparel	20,204	19,854	20,041	+1.8	-0.9	-0.2	22,122	22,029	21,071	20,725	+6.7	201,231	190,33
Consumer staples	76,157	75,552	75,285	+0.8	+0.4	+1.7	78,311	79,561	77,047	70,795	+10.6	733,136	689,77
Machinery and equipment	68,552	69,418	69,020	-1.3	+0.6	+1.5	68,041	76,037	65,412	63,425	+7.3	666,943	639,97
Business supplies	27,066	26,773	27,116	+1.1	-1.3	+1.4	27,733	27,588	27,393	25,897	+7.1	264,785	254,72
Construction materials and supplies	23,384	23,017	23,479	+1.6	-2.0	-0.1	24,183	24,440	24,637	22,690	+6.6	232,339	217,88
Defense products	8,040	5,898	5,254	+36.3	+12.3	-21.7	8,432	5,536	3,950	6,119	+37.8	62,172	60,18
Other materials, supplies and and intermediate products	120,471	123,815	127,300	-2.7	-2.7	+2.6	127,216	127,388	128,137	120,973	+5.2	1,216,833	1,161,86
Durable goods industries													
Nondefense capital goods [3]	56,444	56,050	56,423	+0.7	-0.7	+2.5	54,402	62,872	52,455	48,453	+12.3	534,799	509,94
Excluding aircraft and parts	48,901	48,990	47,770	-0.2	+2.6	-2.0	47,382	55,377	44,374	41,826	+13.3	464,261	435,78
Defense capital goods [4]	7,754	5,485	5,048	+41.4	+8.7	-22.1	8,087	5,073	3,667	5,735	+41.0	59,361	56,89
Durables excluding capital goods	137,669	142,814	145,975	-3.6	-2.2	+1.4	148,633	148,775	148,040	143,345	+3.7	1,410,336	1,309,38
Miscellaneous series													
Producers' durable equipment	130,903	132,641	133,345	-1.3	-0.5	+1.1	134,241	143,722	130,412	127,504	+5.3	1,294,675	1,221,57
Household durable goods	10,728	10,322	10,545	+3.9	-2.1	-1.0	11,559	11,496	10,575	10,266	+12.6	104,312	92,78
Information technology industries	28,891	27,895	27,202	+3.6	+2.5	-6.1	26,778	32,874	24,857	23,198	+15.4	265,101	242,54
Health care equipment and products	13,320	13,213	13,393	+0.8	-1.3	+1.4	13,405	14,519	13,354	12,228	+9.6	129,832	119,81

[p] Preliminary [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include ordnance and accessories, steam gas and hydraulic turbines, internal combustion engines, construction, mining, and m handling equipment, metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and industry machinery, electrical transmission and distribution equipment, electrical industrial apparatus, communications equipment, aircraft, missiles, space vehicles, and e and parts, ships and tank components, railroad equipment, and search and navigation equipment

[4] Defense capital goods industries include ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships and tank components, and search and navigation equipment

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Oct. 1998	Oct. 99/98
UNFILLED ORDERS											
All manufacturing industries	525,188	525,439	523,262	0.0	+0.4	+0.5	525,099	521,233	525,024	522,765	+0.4
Market categories :											
Automotive equipment	2,553	2,505	2,529	+1.9	-0.9	+1.4	2,511	2,464	2,553	2,358	+6.5
Home goods and apparel	9,282	9,089	8,946	+2.1	+1.6	-0.1	9,300	9,122	9,115	8,643	+7.6
Consumer staples	2,984	2,860	2,897	+4.3	-1.3	+7.4	3,002	3,045	3,382	2,100	+43.0
Machinery and equipment	234,903	235,476	233,990	-0.2	+0.6	-0.6	234,537	234,774	234,054	246,688	-4.9
Business supplies	7,326	7,248	7,373	+1.1	-1.7	+3.2	7,224	7,344	7,813	6,584	+9.7
Construction materials and supplies	17,642	17,572	17,926	+0.4	-2.0	-0.6	17,416	17,532	18,004	17,408	0.0
Defense products	88,069	86,740	87,562	+1.5	-0.9	-1.6	86,509	84,769	86,367	89,571	-3.4
Other materials, supplies and and intermediate products	162,429	163,949	162,039	-0.9	+1.2	+3.2	164,600	162,183	163,736	149,413	+10.2
urable goods industries :											
Nondefense capital goods [3]	251,760	251,830	250,671	0.0	+0.5	-0.3	251,626	251,170	250,165	262,941	-4.3
Excluding aircraft and parts	111,802	111,349	109,751	+0.4	+1.5	-0.1	111,668	110,689	109,245	106,035	+5.3
Defense capital goods [4]	92,690	91,408	92,378	+1.4	-1.1	-1.5	90,985	89,380	91,158	94,174	-3.4
Durables excluding capital goods	155,190	157,105	154,840	-1.2	+1.5	+2.7	157,431	155,399	157,212	142,405	+10.6
iscellaneous series :											
Producers' durable equipment	273,220	274,266	272,573	-0.4	+0.6	-0.5	273,004	273,439	272,815	286,521	-4.7
Household durable goods	5,747	5,556	5,511	+3.4	+0.8	-1.7	5,946	5,606	5,628	5,628	+5.7
Information technology industries	41,265	41,114	40,382	+0.4	+1.8	-1.3	41,304	41,165	40,594	39,967	+3.3
Health care equipment and products	9,689	9,738	9,891	-0.5	-1.5	+1.1	9,878	9,669	10,004	10,089	-2.1
TOTAL INVENTORIES											
All manufacturing industries	467,044	465,669	464,351	+0.3	+0.3	-0.1	468,566	465,082	467,794	471,645	-0.7
arket categories :											
Automotive equipment	8,894	8,740	8,786	+1.8	-0.5	-1.0	8,837	8,667	9,023	8,319	+6.2
Home goods and apparel	31,606	31,591	31,452	0.0	+0.4	-0.2	31,215	31,622	32,030	31,774	-1.8
Consumer staples	75,639	74,899	74,649	+1.0	+0.3	+0.3	77,803	75,269	74,512	75,293	+3.3
Machinery and equipment	115,981	116,051	115,663	-0.1	+0.3	-1.1	116,448	115,681	117,242	122,161	-4.7
Business supplies	28,304	28,390	28,227	-0.3	+0.6	0.0	28,469	28,727	28,515	28,445	+0.1
Construction materials and supplies	30,050	29,746	29,592	+1.0	+0.5	+0.5	29,843	29,539	29,662	28,663	+4.1
Defense products	18,252	18,474	18,238	-1.2	+1.3	-0.5	18,397	18,715	18,589	18,898	-2.7
Other materials, supplies and and intermediate products	158,318	157,778	157,744	+0.3	0.0	+0.3	157,554	156,862	158,221	158,092	-0.3
rable goods industries :											
Nondefense capital goods [3]	107,015	107,465	107,353	-0.4	+0.1	-1.0	107,651	107,358	109,022	114,349	-5.9
Excluding aircraft and parts	72,483	72,476	72,409	0.0	+0.1	+0.6	72,669	72,214	73,773	71,880	+1.1
Defense capital goods [4]	18,572	18,866	18,596	-1.6	+1.5	-0.1	18,739	19,153	18,999	19,242	-2.6
Durables excluding capital goods	167,594	166,570	166,512	+0.6	0.0	0.0	167,029	165,800	167,725	164,919	+1.3
scellaneous series :											
Producers' durable equipment	189,879	189,913	189,001	0.0	+0.5	-0.6	190,153	189,491	191,376	194,599	-2.3
Household durable goods	16,294	16,289	16,248	0.0	+0.3	-0.4	16,236	16,288	16,511	16,429	-1.2
nformation technology industries	33,073	33,523	33,484	-1.3	+0.1	+1.9	33,219	33,537	34,575	32,841	+1.2
Health care equipment and products	20,554	20,467	20,489	+0.4	-0.1	0.0	20,634	20,280	20,800	19,723	+4.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct 1999[p]	Sept. 1999[r]	Aug. 1999	Oct. 1998	Oct. 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	153,884	154,150	153,426	-0.2	+0.5	-0.3	154,542	154,734	153,694	156,447	-1.2
Durable goods industries	92,769	92,990	92,531	-0.2	+0.5	-0.4	93,336	93,844	93,290	93,872	-0.6
Stone, clay, and glass products	3,269	3,269	3,246	0.0	+0.7	+1.3	3,270	3,299	3,276	3,113	+5.0
Primary metals	7,413	7,428	7,397	-0.2	+0.4	+0.1	7,601	7,575	7,468	8,102	-6.2
Fabricated metal products	10,646	10,684	10,583	-0.4	+1.0	+0.4	10,632	10,787	10,618	10,711	-0.7
Industrial machinery and equipment	19,808	20,137	19,875	-1.6	+1.3	-0.4	19,764	20,388	20,159	19,621	+0.7
Electronic and other electrical equipment	16,306	16,205	16,112	+0.6	+0.6	-1.9	16,492	16,268	16,367	16,039	+2.8
Transportation equipment	15,266	15,259	15,209	0.0	+0.3	-1.3	15,132	15,300	15,205	15,482	-2.3
Instruments and related products	9,193	9,124	9,152	+0.8	-0.3	+0.8	9,196	9,145	9,281	9,257	-0.7
Lumber, furniture and miscellaneous durable goods	10,868	10,884	10,957	-0.1	-0.7	+0.3	11,249	11,082	10,916	11,547	-2.6
Nondurable goods industries	61,115	61,160	60,895	-0.1	+0.4	-0.2	61,206	60,890	60,404	62,575	-2.2
Food and kindred products	11,213	11,367	11,513	-1.4	-1.3	-0.3	11,500	11,170	11,214	11,713	-1.8
Tobacco products	4,621	4,588	4,555	+0.7	+0.7	-0.3	4,680	4,455	4,333	5,184	-9.7
Textile mill products	2,916	2,911	2,875	+0.2	+1.3	+1.7	2,836	2,866	2,873	2,863	-0.9
Paper and allied products	7,746	7,803	7,713	-0.7	+1.2	0.0	7,722	7,807	7,679	7,970	-3.1
Chemicals and allied products	15,297	15,239	15,303	+0.4	-0.4	-2.2	15,197	15,212	15,261	15,481	-1.8
Petroleum and coal products	3,561	3,456	3,280	+3.0	+5.4	+0.6	3,624	3,439	3,270	3,241	+11.8
Rubber and plastics products	7,070	7,108	7,045	-0.5	+0.9	+1.9	7,019	7,113	6,975	6,798	+3.3
Apparel, printing and publishing and leather goods	8,691	8,688	8,611	0.0	+0.9	+1.2	8,628	8,828	8,799	9,325	-7.5
WORK IN PROCESS											
All manufacturing industries	146,124	145,587	145,232	+0.4	+0.2	-1.3	147,837	145,919	147,284	154,277	-4.2
Durable goods industries	115,596	115,393	115,260	+0.2	+0.1	-1.3	116,361	115,611	117,387	123,982	-6.1
Stone, clay, and glass products	1,569	1,531	1,516	+2.5	+1.0	+3.2	1,498	1,499	1,535	1,282	+16.8
Primary metals	8,181	8,094	8,121	+1.1	-0.3	-0.6	8,125	8,080	8,185	8,514	-4.6
Fabricated metal products	9,121	9,042	8,970	+0.9	+0.8	0.0	9,195	9,130	9,083	9,159	+0.4
Industrial machinery and equipment	21,584	21,336	21,582	+1.2	-1.1	-1.2	21,721	21,269	22,067	22,946	-5.3
Electronic and other electrical equipment	14,029	13,987	14,057	+0.3	-0.5	-0.4	14,000	13,909	14,366	14,093	-0.7
Transportation equipment	45,315	45,614	45,435	-0.7	+0.4	-3.0	46,069	45,934	46,239	52,895	-12.9
Instruments and related products	10,153	10,161	10,024	-0.1	+1.4	+1.0	10,108	10,079	10,276	9,867	+2.4
Lumber, furniture and miscellaneous durable goods	5,644	5,628	5,555	+0.3	+1.3	+3.0	5,645	5,711	5,636	5,226	+8.0
Nondurable goods industries	30,528	30,194	29,972	+1.1	+0.7	-1.2	31,476	30,308	29,897	30,295	+3.9
Food and kindred products	6,246	6,116	6,109	+2.1	+0.1	-0.5	6,984	6,125	5,637	6,352	+9.9
Tobacco products	101	87	78	+16.1	+11.5	-4.9	122	86	76	106	+15.1
Textile mill products	2,453	2,448	2,420	+0.2	+1.2	-2.1	2,472	2,462	2,429	2,650	-6.7
Paper and allied products	1,728	1,711	1,664	+1.0	+2.8	+0.1	1,647	1,689	1,671	1,485	+10.9
Chemicals and allied products	8,979	8,918	8,860	+0.7	+0.7	-2.9	8,960	8,801	8,953	8,719	+2.8
Petroleum and coal products	2,871	2,901	2,854	-1.0	+1.6	+8.1	2,949	2,975	2,905	2,681	+10.0
Rubber and plastics products	2,271	2,281	2,260	-0.4	+0.9	-2.0	2,286	2,282	2,258	2,216	+3.2
Apparel, printing and publishing and leather goods	5,879	5,732	5,727	+2.6	+0.1	-3.2	6,056	5,888	5,968	6,086	-0.5
FINISHED GOODS											
All manufacturing industries	167,036	165,932	165,693	+0.7	+0.1	+1.0	166,187	164,429	166,816	160,921	+3.3
Durable goods industries	84,816	84,518	84,670	+0.4	-0.2	+1.0	83,722	82,856	85,069	80,656	+3.8
Stone, clay, and glass products	4,973	4,924	4,964	+1.0	-0.8	+3.4	4,705	4,751	4,881	4,499	+4.6
Primary metals	8,225	8,130	8,142	+1.2	-0.1	+0.1	8,052	8,022	8,133	8,078	-0.3
Fabricated metal products	11,571	11,456	11,475	+1.0	-0.2	-0.2	11,250	11,074	11,348	10,897	+3.2
Industrial machinery and equipment	18,479	18,666	18,533	-1.0	+0.7	+3.0	18,283	18,106	18,492	18,143	+0.8
Electronic and other electrical equipment	11,620	11,326	11,035	+2.6	+2.6	+3.3	11,680	11,018	11,295	10,524	+11.0
Transportation equipment	9,849	9,876	10,224	-0.3	-3.4	+0.8	9,791	9,913	10,483	9,266	+5.7
Instruments and related products	7,736	7,813	7,884	-1.0	-0.9	-0.6	7,903	7,882	8,034	7,635	+3.5
Lumber, furniture and miscellaneous durable goods	12,363	12,327	12,413	+0.3	-0.7	-2.0	12,058	12,090	12,403	11,614	+3.8
Nondurable goods industries	82,220	81,414	81,023	+1.0	+0.5	+1.0	82,465	81,573	81,747	80,265	+2.7
Food and kindred products	21,215	20,656	20,396	+2.7	+1.3	+0.3	22,331	21,565	20,842	21,388	+4.4
Tobacco products	458	502	516	-8.8	-2.7	+1.2	564	473	396	864	-34.7
Textile mill products	4,698	4,753	4,735	-1.2	+0.4	+0.2	4,597	4,647	4,784	4,582	+0.3
Paper and allied products	6,651	6,619	6,551	+0.5	+1.0	-1.3	6,523	6,507	6,537	6,805	-4.1
Chemicals and allied products	22,488	22,389	22,456	+0.4	-0.3	+1.7	22,118	21,913	22,374	21,592	+2.4
Petroleum and coal products	5,580	5,530	5,454	+0.9	+1.4	+4.0	5,680	5,692	5,553	5,017	+13.2
Rubber and plastics products	8,373	8,103	7,956	+3.3	+1.8	+1.6	8,074	7,764	7,852	7,264	+11.2
Apparel, printing and publishing and leather goods	12,757	12,862	12,959	-0.8	-0.7	+0.8	12,578	13,012	13,409	12,753	-1.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	July 1999	Oct. 1999[p]	Sept. 1999[r]	Aug. 1999	July 1999
All manufacturing industries	1.30	1.30	1.28	1.30	2.56	2.58	2.53	2.55
Durable goods industries	1.45	1.45	1.42	1.44	2.99	3.02	2.95	2.98
Stone, clay, and glass products	1.11	1.10	1.10	1.10	0.72	0.71	0.70	0.73
Primary metals	1.57	1.55	1.56	1.59	2.13	2.10	2.10	2.11
Fabricated metal products	1.54	1.53	1.49	1.52	1.29	1.30	1.29	1.31
Industrial machinery and equipment	1.51	1.59	1.55	1.52	2.13	2.24	2.15	2.10
Electronic and other electrical equipment	1.20	1.18	1.17	1.17	2.16	2.14	2.04	1.94
Transportation equipment	1.48	1.46	1.39	1.48	8.77	8.77	8.23	8.96
Instruments and related products	1.82	1.83	1.87	1.88	3.09	3.13	3.23	3.28
Nondurable goods industries	1.10	1.10	1.10	1.11	0.68	0.67	0.67	0.65
Food and kindred products	0.91	0.91	0.91	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.17	1.21	1.21	1.21	(X)	(X)	(X)	(X)
Textile mill products	1.52	1.56	1.54	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.17	1.17	1.14	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.32	1.33	1.33	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.77	0.76	0.76	0.77	(X)	(X)	(X)	(X)
Rubber and plastics products	1.29	1.28	1.25	1.27	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1999	Oct.[2] 1994-1998	Oct. 1998-Sept. 1999	Oct.[1] 1999	Oct.[2] 1994-1998	Oct. 1998-Sept. 1999	Oct.[1] 1999	Oct.[2] 1994-1998	Oct. 1998-Sept. 1999	Oct.[1] 1999	Oct.[2] 1994-1998	Oct. 1998-Sept. 1999
All manufacturing industries	(X)	0.2	0.1	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.0
urable goods industries	-0.4	0.2	0.1	0.1	0.2	0.4	0.4	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.4	0.4	(X)	0.3	0.4	(X)	0.8	0.5	(X)	0.2	0.2
Primary metals	-0.1	0.4	0.2	0.1	0.8	0.8	0.3	0.3	0.4	(X)	0.0	0.0
Fabricated metal products	(X)	0.1	0.2	(X)	0.5	0.5	(X)	0.4	0.3	(X)	0.1	0.1
ndustrial machinery and equipment	-0.9	0.4	0.4	-1.1	0.4	0.3	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.3	0.3	0.4	4.9	0.9	1.4	3.4	0.4	0.7	(X)	0.1	0.2
Transportation equipment	-0.6	0.4	0.5	-2.1	0.9	0.9	-0.3	0.1	0.1	(X)	0.5	0.2
nstruments and related products	(X)	0.2	0.5	(X)	1.1	1.1	(X)	0.3	0.3	(X)	0.2	0.1
ondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
pital goods industries :												
Nondefense	-0.7	0.3	0.2	1.6	0.5	0.5	0.5	0.1	0.1	(X)	0.3	0.1
Defense	-3.3	0.8	0.6	-12.7	4.2	4.4	0.3	0.2	0.3	(X)	0.4	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

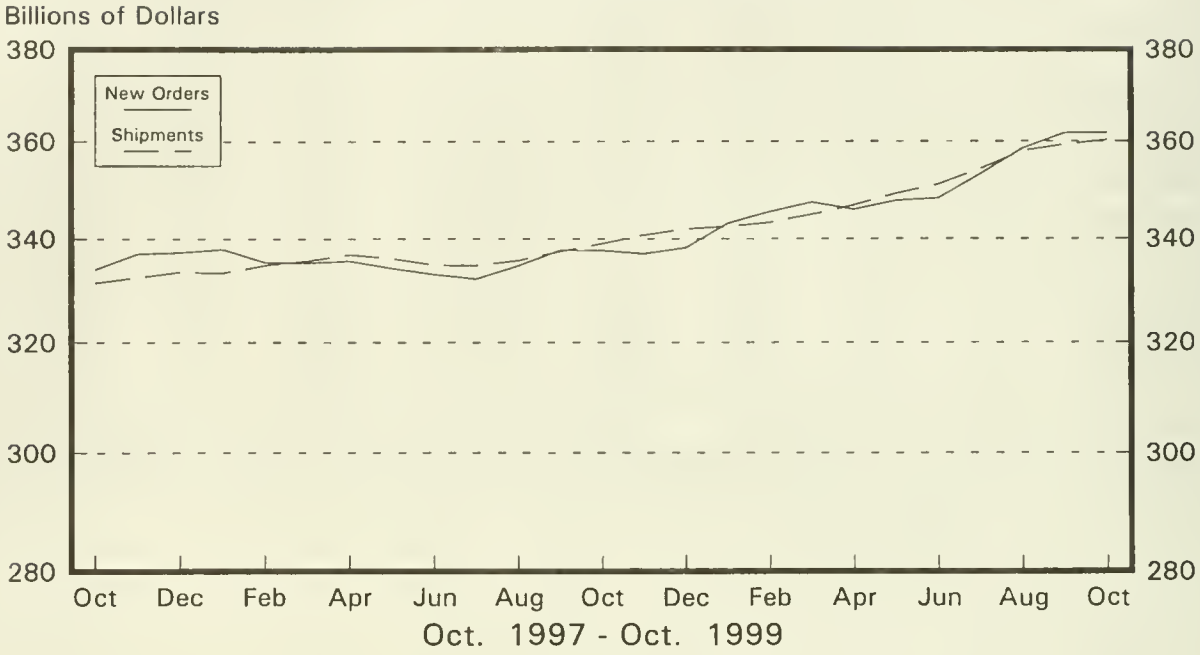
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

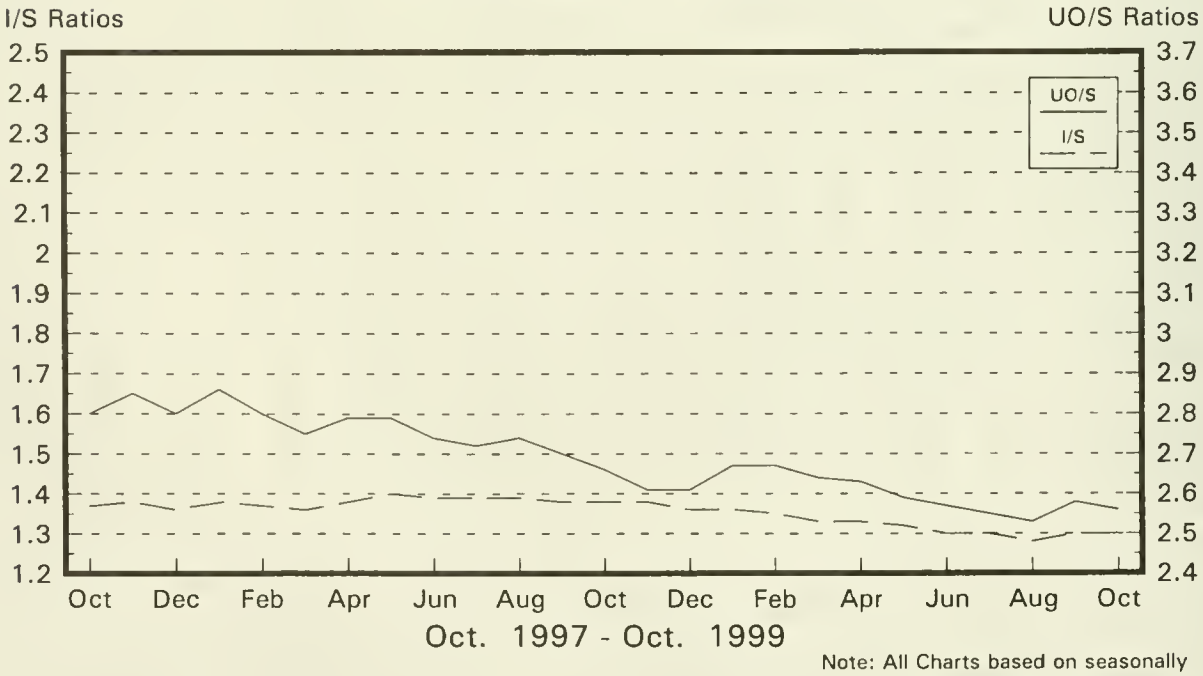
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

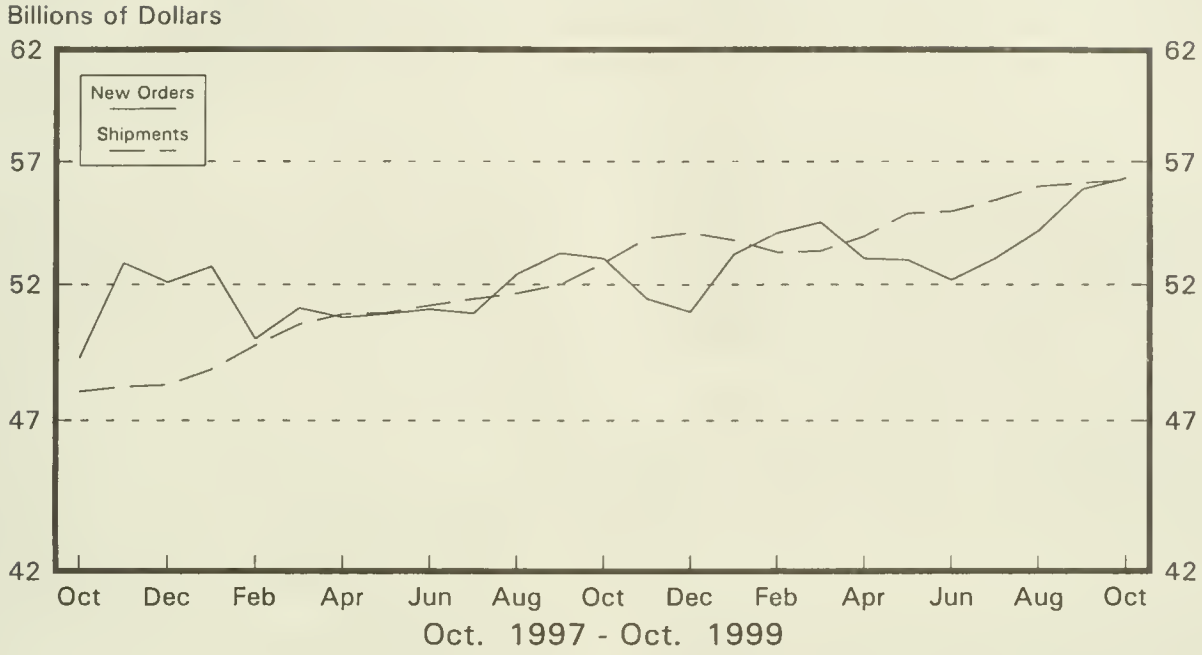
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

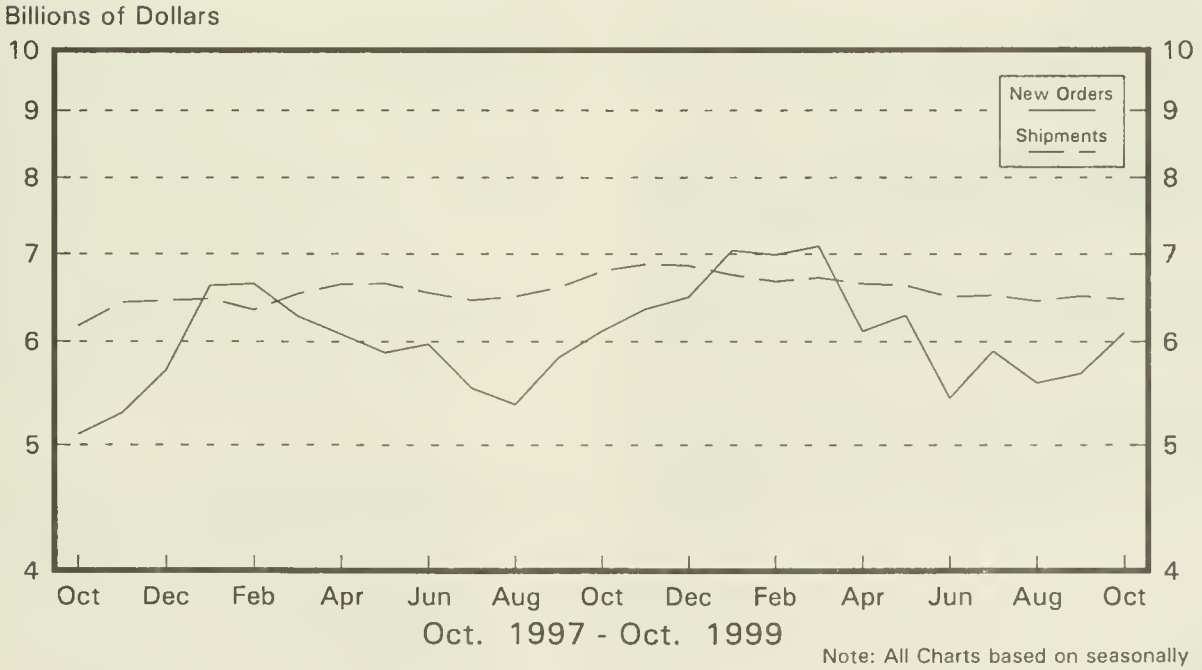
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

November 1999
M3-1-(99)-11
For Wire Transmissions 10:00 a.m. E.S.T. January, 5, 2000

For Data - (301) 457-4673
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(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November increased $4.5 billion or 1.2 percent to $365.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a slight October decrease. Excluding transportation, new orders increased 1.9 percent. Year-to-date, new orders are 5.7 percent above the same period a year ago.

Shipments increased $4.3 billion or 1.2 percent to $364.5 billion, following a 0.4 percent October increase. This is the sixth increase in the last seven months. Year-to-date, shipments are 5.0 percent above the same period a year ago.

Unfilled orders increased $0.7 billion or 0.1 percent to $526.6 billion, following a 0.1 percent October increase. This is the fifth consecutive increase. The unfilled orders-to-shipments ratio was 2.55, down from 2.57 in October.

Inventories increased $2.1 billion or 0.5 percent to $469.7 billion, following a 0.4 percent October increase. This is the third consecutive increase. The inventories-to-shipments ratio was 1.29, down from 1.30 in October.

New Orders

New orders for manufactured durable goods in November increased $1.9 billion or 0.9 percent to $204.3 billion, revised from the previously published 1.2 percent increase.

Electronic and other electrical equipment had the largest increase, $3.0 billion or 8.4 percent to $38.9 billion, due to electronic components. This is the fifth increase in the last six months and the largest since July 1998. Fabricated metals increased $0.5 billion or 2.6 percent to $20.6 billion. Instruments and related products increased $0.4 billion or 2.6 percent to $14.7 billion. This is the largest increase since April. Transportation equipment decreased $1.7 billion or 3.5 percent to $45.1 billion, mostly due to aircraft and parts. Industrial machinery and equipment, down five of the last seven months, decreased $0.7 billion or 1.7 percent to $39.0 billion.

New orders for nondurable goods, up six of the last seven months, increased $2.5 billion or 1.6 percent to $160.8 billion. Petroleum and coal products and rubber and plastics products had the largest increases.

Shipments

Shipments of durable goods in November increased $1.7 billion or 0.8 percent to $204.0 billion, unrevised from the previously published 0.8 percent increase. This is the sixth increase in the last seven months.

Electronic and other electrical equipment, up for the first time since July, had the largest increase, $0.6 billion or 1.9 percent to $35.5 billion. Transportation equipment increased $0.6 billion or 1.3 percent to $48.3 billion. Fabricated metal products increased $0.4 billion or 2.2 percent to $20.7 billion. This is the largest increase since July 1998. Industrial machinery and equipment, down three of the last four months, decreased $0.7 billion or 1.8 percent to $38.8 billion.

Shipments of nondurable goods increased $2.6 billion or 1.7 percent to $160.5 billion. This is the seventh consecutive increase. Petroleum and coal products, up nine of the last ten months, increased $0.9 billion or 5.6 percent to $16.5 billion. Rubber and plastics products increased $0.5 billion or 3.6 percent to $14.3 billion. This is the largest increase since February.

Unfilled Orders

Unfilled orders for durable goods in November increased $0.4 billion or 0.1 percent to $500.8 billion, revised from the previously published 0.2 percent increase. This is the fifth consecutive increase. Electronic and other electrical equipment, up twelve consecutive months, had the largest increase, $3.4 billion or 4.4 percent to $79.9 billion. Industrial machinery and equipment, up eleven of the last twelve months, increased $0.2 billion or 0.3 percent to $81.2 billion. Transportation equipment, down seventeen of the last nineteen months, decreased $3.1 billion or 1.4 percent to $222.2 billion.

Inventories

Inventories of durable goods in November increased $1.4 billion or 0.5 percent to $294.8 billion. This is the third consecutive increase.

Industrial machinery and equipment had the largest increase, $0.5 billion or 0.8 percent to $60.4 billion. This is the largest increase since February 1998. Electronic and other electrical equipment, up nine of the last ten months, increased $0.5 billion or 1.1 percent to $42.6 billion.

Inventories of nondurable goods, up eight of the last nine months, increased $0.7 billion or 0.4 percent to $174.8 billion. Chemicals and allied products had the largest increase, $0.5 billion or 1.2 percent to $47.4 billion.

By stage of fabrication, November finished goods increased 0.2 percent in durables and decreased slightly in nondurables. Work in process increased slightly in durables and 1.1 percent in nondurables. Materials and supplies increased 1.3 percent in durables and 0.7 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for December is scheduled for January 27, 2000 at 8:30 a.m. and the full report on February 3, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Nov. 1998	Nov. 99/98	1999[p]	1998
All manufacturing industries	364,518	360,201	358,709	+1.2	+0.4	-0.9	364,185	369,691	384,195	341,167	+6.7	3,893,012	3,709,953
Manufacturing Industries													
with unfilled orders	206,788	204,951	203,501	+0.9	+0.7	-1.5	207,668	207,995	221,109	199,576	+4.1	2,214,068	2,130,121
without defense capital goods	357,264	353,632	352,254	+1.0	+0.4	-0.9	356,394	363,160	377,344	334,015	+6.7	3,821,083	3,637,867
Durable goods industries	203,984	202,306	201,895	+0.8	+0.2	-1.9	203,324	206,861	219,306	194,672	+4.4	2,197,701	2,077,707
With unfilled orders	168,430	167,223	165,775	+0.7	+0.9	-1.8	168,290	168,935	181,172	161,677	+4.1	1,801,480	1,717,307
Stone, clay, and glass products	8,990	8,873	8,867	+1.3	+0.1	+0.1	8,829	9,442	9,456	8,044	+9.8	95,752	88,791
Primary metals	15,534	15,191	15,298	+2.3	-0.7	+0.6	15,142	15,539	15,852	13,914	+8.8	163,994	167,976
Blast furnaces, steel mills	6,035	5,893	5,814	+2.4	+1.4	-0.2	5,792	6,024	5,949	5,319	+8.9	63,154	67,867
Iron and steel foundries	1,491	1,468	1,540	+1.6	-4.7	-0.9	1,447	1,554	1,634	1,473	-1.8	16,967	16,772
Nonferrous and other primary metals	8,008	7,830	7,944	+2.3	-1.4	+1.5	7,903	7,961	8,269	7,122	+11.0	83,873	83,337
Fabricated metal products	20,720	20,281	20,377	+2.2	-0.5	-1.9	20,628	21,336	21,576	20,227	+2.0	226,624	220,515
Industrial machinery and equipment	38,777	39,471	37,742	-1.8	+4.6	-2.5	36,383	38,305	41,716	34,464	+5.6	412,741	402,153
Engines and turbines	2,713	2,620	2,708	+3.5	-3.2	-0.9	2,695	2,526	3,026	2,359	+14.2	27,050	24,262
Farm and garden machinery	1,646	1,571	1,688	+4.8	-6.9	-3.7	1,142	1,402	1,550	1,237	-7.7	20,337	22,522
Construction, mining and material handling equipment	3,672	3,698	3,793	-0.7	-2.5	+1.3	3,389	3,636	3,868	3,765	-10.0	42,442	46,589
Metalworking machinery	3,812	3,992	3,840	-4.5	+4.0	+3.4	4,289	4,486	4,352	4,146	+3.4	40,214	38,352
Computer and office equipment	12,028	12,892	11,112	-6.7	+16.0	-7.2	10,988	11,468	13,835	10,170	+8.0	124,291	115,205
Electronic and other electrical equipment	35,510	34,860	35,307	+1.9	-1.3	-0.1	36,804	34,795	40,421	33,995	+8.3	372,279	339,008
Electrical transmission and distribution equipment and industrial apparatus	3,873	3,754	3,933	+3.2	-4.6	-5.0	3,713	3,602	4,499	3,467	+7.1	41,996	40,344
Household appliances	2,431	2,348	2,221	+3.5	+5.7	-8.7	2,358	2,302	2,344	2,084	+13.1	25,944	22,980
Electric lighting and wiring equipment	2,531	2,490	2,535	+1.6	-1.8	-0.2	2,646	2,433	2,871	2,352	+12.5	26,437	24,467
Household audio and video equipment	980	995	1,061	-1.5	-6.2	-2.7	1,184	1,266	1,278	1,270	-6.8	11,584	11,263
Communications equipment	8,615	8,547	8,893	+0.8	-3.9	+1.9	8,524	7,985	10,521	7,630	+11.7	89,210	75,490
Electronic components	14,927	14,570	14,322	+2.5	+1.7	+1.8	15,758	14,757	16,134	14,217	+10.8	152,193	140,186
Transportation equipment	48,288	47,659	48,555	+1.3	-1.8	-4.8	49,469	51,055	51,593	49,747	-0.6	535,003	490,236
Motor vehicles and parts	33,184	32,898	33,908	+0.9	-3.0	-2.2	33,986	36,628	35,918	32,539	+4.4	369,752	331,231
Aircraft, missiles, space vehicles, and parts	11,517	11,493	10,890	+0.2	+5.5	-15.0	11,907	11,112	11,505	13,657	-12.8	127,180	123,538
Shipbuilding and tanks	1,001	973	1,217	+2.9	-20.0	+15.2	1,023	943	1,303	1,322	-22.6	10,873	11,199
Instruments and related products	14,979	14,834	14,797	+1.0	+0.3	+2.2	15,096	14,506	16,386	14,516	+4.0	158,262	153,529
Search and navigation equipment	3,120	3,171	3,119	-1.6	+1.7	-0.2	3,165	3,080	3,424	3,286	-3.7	34,334	33,498
Measuring and controlling devices	4,436	4,409	4,307	+0.6	+2.4	+1.2	4,493	4,349	4,720	4,253	+5.6	46,034	44,530
Medical instruments and supplies	4,941	4,842	4,975	+2.0	-2.7	+4.5	4,782	4,575	5,569	4,406	+8.5	52,269	48,887
Photographic goods	1,984	1,911	1,897	+3.8	+0.7	+3.4	2,162	2,012	2,149	2,096	+3.1	20,250	21,573
All other durable goods	21,186	21,137	20,952	+0.2	+0.9	-2.0	20,973	21,883	22,306	19,765	+6.1	233,045	215,499
Nondurable goods industries	160,534	157,895	156,814	+1.7	+0.7	+0.4	160,861	162,830	164,889	146,495	+9.8	1,695,311	1,632,246
With unfilled orders	38,358	37,728	37,726	+1.7	0.0	-0.1	39,378	39,060	39,937	37,899	+3.9	412,588	412,814
Food and kindred products	42,418	42,292	42,142	+0.3	+0.4	+0.9	43,312	43,792	44,064	42,172	+2.7	459,338	449,413
Meat products	9,405	9,431	9,211	-0.3	+2.4	+1.7	9,624	9,700	9,457	8,802	+9.3	98,491	95,981
Dairy products	6,555	6,432	6,538	+1.9	-1.6	+0.4	6,816	6,283	6,759	6,909	-1.3	71,046	68,180
Beverages	6,491	6,458	6,399	+0.5	+0.9	+1.0	6,190	6,466	6,593	5,724	+8.1	70,138	67,343
All other foods, except fats and oils	18,105	18,069	18,201	+0.2	-0.7	+0.3	18,820	19,441	19,462	18,608	+1.1	199,400	195,113
Tobacco products	4,617	4,500	4,275	+2.6	+5.3	+0.4	4,589	4,522	4,132	3,346	+37.1	46,512	37,713
Textile mill products	6,549	6,638	6,502	-1.3	+2.1	-0.2	6,613	7,003	7,130	6,533	+1.2	72,414	74,799
Broadwoven fabrics and other textiles	3,676	3,642	3,609	+0.9	+0.9	-1.3	3,605	3,698	3,963	3,741	-3.6	40,944	44,976
Paper and allied products	14,098	13,781	13,777	+2.3	0.0	-1.2	13,924	14,081	14,250	13,265	+5.0	150,292	152,142
Pulp, paper, and paperboard mill products	5,485	5,247	5,361	+4.5	-2.1	-2.0	5,455	5,334	5,534	5,026	+8.5	57,785	58,684
Paperboard containers and boxes	3,625	3,637	3,541	-0.3	+2.7	-0.8	3,588	3,792	3,620	3,430	+4.6	37,936	39,539
Miscellaneous converted paper products	4,988	4,897	4,875	+1.9	+0.5	-0.7	4,881	4,955	5,096	4,809	+1.5	54,571	53,919
Chemicals and allied products	36,025	35,552	35,040	+1.3	+1.5	0.0	34,596	35,055	36,521	31,044	+11.4	377,836	358,409
Industrial chemicals	16,291	16,042	15,677	+1.6	+2.3	+2.5	15,902	15,879	16,007	13,884	+14.5	167,784	165,609
Drugs, soaps, and toiletries	15,790	15,675	15,481	+0.7	+1.3	-1.6	15,487	15,849	17,153	14,146	+9.5	166,762	149,811
Petroleum and coal products	16,495	15,627	15,663	+5.6	-0.2	+2.9	16,682	16,531	16,642	11,080	+50.6	154,001	135,000
Rubber and plastics products	14,302	13,811	13,701	+3.6	+0.8	-1.0	13,790	14,358	14,291	12,688	+8.7	151,650	146,149
All other nondurable goods	26,030	25,694	25,714	+1.3	-0.1	+0.6	27,355	27,488	27,859	26,367	+3.7	283,268	278,621

[p] Preliminary. [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Nov. 1998	Nov. 99/98	1999[p]	1998
All manufacturing industries	365,178	360,725	360,886	+1.2	0.0	-1.0	361,698	373,387	380,404	333,218	+8.5	3,902,417	3,693,211
anufacturing industries													
vith unfilled orders	207,448	205,475	205,678	+1.0	-0.1	-1.7	205,181	211,691	217,318	191,627	+7.1	2,223,473	2,113,379
vithout defense capital goods	359,121	353,054	355,401	+1.7	-0.7	-1.1	355,344	365,349	375,331	327,279	+8.6	3,836,751	3,630,380
urable goods industries	204,347	202,442	204,349	+0.9	-0.9	-1.5	200,602	210,891	216,720	186,550	+7.5	2,204,867	2,062,771
With unfilled orders	168,793	167,359	168,229	+0.9	-0.5	-1.4	165,568	172,965	178,586	153,555	+7.8	1,808,646	1,702,371
one, clay, and glass products	9,049	8,999	8,955	+0.6	+0.5	+1.7	8,859	9,496	9,518	7,934	+11.7	95,812	88,683
imary metals	15,713	15,440	15,461	+1.8	-0.1	-1.3	15,269	15,049	15,242	14,140	+8.0	165,978	161,714
Blast furnaces, steel mills	6,357	6,027	5,931	+5.5	+1.6	-2.2	6,138	5,796	5,609	5,353	+14.7	64,564	64,176
Iron and steel foundries	1,343	1,455	1,445	-7.7	+0.7	-11.5	1,283	1,534	1,450	1,515	-15.3	16,169	16,678
Nonferrous and other primary metals	8,013	7,958	8,085	+0.7	-1.6	+1.5	7,848	7,719	8,183	7,272	+7.9	85,245	80,860
bricated metal products	20,588	20,060	20,168	+2.6	-0.5	-3.1	20,166	20,860	21,143	19,790	+1.9	225,315	219,672
lustrial machinery and equipment	38,996	39,666	39,077	-1.7	+1.5	-0.1	37,158	39,045	43,040	33,930	+9.5	420,028	402,350
Engines and turbines	2,800	2,789	3,793	+0.4	-26.5	+26.5	2,927	3,055	4,585	2,457	+19.1	33,141	29,151
Construction, mining and material handling equipment	3,862	3,572	3,586	+8.1	-0.4	-2.4	3,627	3,545	3,612	3,486	+4.0	41,292	45,633
Metalworking machinery	3,461	3,914	3,962	-11.6	-1.2	+5.6	3,938	4,408	4,474	4,010	-1.8	40,471	37,961
Computer and office equipment	11,923	12,754	11,017	-6.5	+15.8	-9.0	11,015	11,332	13,589	10,135	+8.7	124,689	115,423
ctronic and other lectrical equipment	38,900	35,884	38,734	+8.4	-7.4	+0.3	37,863	40,323	40,871	31,022	+22.1	395,238	345,524
Electrical transmission and distribution equipment and industrial apparatus	3,947	3,896	3,904	+1.3	-0.2	-12.3	3,705	3,835	4,326	3,342	+10.9	42,725	40,075
Electric lighting and wiring equipment	2,432	2,571	2,242	-5.4	+14.7	-9.1	2,547	2,514	2,578	2,265	+12.5	26,406	24,459
Communications equipment	9,777	10,839	10,261	-9.8	+5.6	+22.7	9,952	10,991	11,516	7,423	+34.1	95,330	78,452
Electronic components	17,241	12,971	16,801	+32.9	-22.8	-4.6	15,767	16,682	16,257	11,702	+34 7	168,725	144,068
nsportation equipment	45,144	46,800	46,593	-3.5	+0.4	-4.9	45,770	49,951	49,046	46,476	-1.5	512,473	478,907
Aircraft, missiles, space vehicles, and parts.	8,976	10,408	9,480	-13.8	+9.8	-17.0	8,878	9,935	9,687	10,449	-15.0	109,437	112,474
Shipbuilding and tanks	1,038	1,002	785	+3.6	+27.6	+36.0	1,057	948	892	803	+31.6	9,861	10,761
truments and related products	14,730	14,362	14,440	+2.6	-0.5	+2.3	14,761	14,045	15,809	13,844	+6.6	156,236	150,379
earch and navigation equipment	2,844	2,931	2,883	-3.0	+1.7	+2.5	2,871	2,623	3,161	2,918	-1.6	32,439	30,334
Measuring and controlling devices	4,351	4,149	4,334	+4.9	-4.3	+6.2	4,408	4,089	4,747	4,134	+6.6	45,681	43,772
Medical instruments and supplies	5,038	4,837	4,823	+4.2	+0.3	-0.9	4,835	4,813	5,236	4,206	+15.0	52,601	50,310
other durable goods	21,227	21,231	20,921	0.0	+1.5	-1.9	20,756	22,122	22,051	19,414	+6.9	233,837	215,542
ndurable goods industries	160,831	158,283	156,537	+1.6	+1.1	-0.3	161,096	162,496	163,684	146,668	+9.8	1,697,550	1,630,440
Vith unfilled orders	38,655	38,116	37,449	+1.4	+1.8	-3.0	39,613	38,726	38,732	38,072	+4.0	414,827	411,008

[p] Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[1] (n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), anufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Nov. 1998	Nov. 99/98
All manufacturing industries	526,623	525,963	525,439	+0.1	+0.1	+0.4	522,442	524,929	521,233	514,816	+1.5
Manufacturing industries without defense capital goods	435,310	433,453	434,031	+0.4	-0.1	+0.7	432,992	434,042	431,853	421,855	+2.6
Durable goods industries	500,842	500,479	500,343	+0.1	0.0	+0.5	497,257	499,979	495,949	491,398	+1.2
Stone, clay, and glass products	6,242	6,183	6,057	+1.0	+2.1	+1.5	6,131	6,101	6,047	6,068	+1.0
Primary metals	32,542	32,363	32,114	+0.6	+0.8	+0.5	30,831	30,704	31,194	28,076	+9.8
Blast furnaces, steel mills	13,348	13,026	12,892	+2.5	+1.0	+0.9	12,445	12,099	12,327	10,667	+16.7
Iron and steel foundries	4,715	4,863	4,876	-3.0	-0.3	-1.9	4,554	4,718	4,738	5,382	-15.4
Nonferrous and other primary metals	14,479	14,474	14,346	0.0	+0.9	+1.0	13,832	13,887	14,129	12,027	+15.0
Fabricated metal products	24,671	24,803	25,024	-0.5	-0.9	-0.8	24,125	24,587	25,063	25,507	-5.4
Industrial machinery and equipment	81,227	81,008	80,813	+0.3	+0.2	+1.7	81,728	80,953	80,213	73,622	+11.0
Engines and turbines	24,122	24,035	23,866	+0.4	+0.7	+4.8	24,816	24,584	24,055	17,423	+42.4
Construction, mining and material handling equipment	8,783	8,593	8,719	+2.2	-1.4	-2.3	8,483	8,245	8,336	9,410	-9.9
Metalworking machinery	6,703	7,054	7,132	-5.0	-1.1	+1.7	6,703	7,054	7,132	6,758	-0.8
Computer and office equipment	8,141	8,246	8,384	-1.3	-1.6	-1.1	8,339	8,312	8,448	7,850	+6.2
Electronic and other electrical equipment	79,866	76,476	75,452	+4.4	+1.4	+4.8	80,765	79,706	74,178	59,822	+35.0
Electrical transmission and distribution equipment and industrial apparatus	7,005	6,931	6,789	+1.1	+2.1	-0.4	6,910	6,918	6,685	6,249	+10.6
Electric lighting and wiring equipment	4,991	5,090	5,009	-1.9	+1.6	-5.5	4,991	5,090	5,009	4,919	+1.5
Communications equipment	22,616	21,454	19,162	+5.4	+12.0	+7.7	23,177	21,749	18,743	17,293	+34.0
Electronic components	39,598	37,284	38,883	+6.2	-4.1	+6.8	40,187	40,178	38,253	25,422	+58.1
Transportation equipment	222,219	225,363	226,222	-1.4	-0.4	-0.9	220,054	223,753	224,857	243,188	-9.5
Aircraft, missiles, space vehicles, and parts	188,157	190,698	191,783	-1.3	-0.6	-0.7	186,265	189,294	190,471	207,056	-10.0
Shipbuilding and tanks	18,282	18,245	18,216	+0.2	+0.2	-2.3	18,310	18,276	18,271	17,992	+1.8
Instruments and related products	45,608	45,857	46,329	-0.5	-1.0	-0.8	45,159	45,494	45,955	46,979	-3.9
Search and navigation equipment	25,065	25,341	25,581	-1.1	-0.9	-0.9	24,533	24,827	25,284	26,079	-5.9
Measuring and controlling devices	9,832	9,917	10,177	-0.9	-2.6	+0.3	9,832	9,917	10,177	10,095	-2.6
Medical instruments and supplies	9,789	9,692	9,697	+1.0	-0.1	-1.5	9,918	9,865	9,627	9,847	+0.7
All other durable goods	8,467	8,426	8,332	+0.5	+1.1	-0.4	8,464	8,681	8,442	8,136	+4.0
Nondurable goods industries	25,781	25,484	25,096	+1.2	+1.5	-1.1	25,185	24,950	25,284	23,418	+7.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Nov. 1998	Nov. 99/98
All manufacturing industries	469,656	467,522	465,669	+0.5	+0.4	+0.3	471,002	468,752	465,082	471,705	-0.1
Manufacturing industries											
with unfilled orders	310,548	309,267	308,999	+0.4	+0.1	+0.3	310,740	309,363	308,986	315,357	-1.5
without defense capital goods	451,230	449,078	446,803	+0.5	+0.5	+0.2	452,600	450,164	445,929	452,640	0.0
Durable goods industries	294,834	293,448	292,901	+0.5	+0.2	+0.2	295,802	293,439	292,311	298,755	-1.0
With unfilled orders	269,750	268,575	268,386	+0.4	+0.1	+0.2	270,467	268,868	268,212	274,436	-1.4
Stone, clay, and glass products	9,800	9,854	9,724	-0.5	+1.3	0.0	9,498	9,512	9,549	9,004	+5.5
Primary metals	24,029	23,884	23,652	+0.6	+1.0	0.0	24,047	23,819	23,677	24,722	-2.7
Blast furnaces, steel mills	11,356	11,325	11,250	+0.3	+0.7	-0.6	11,492	11,384	11,319	12,271	-6.3
Iron and steel foundries	1,610	1,578	1,576	+2.0	+0.1	-1.2	1,564	1,533	1,541	1,539	+1.6
Nonferrous and other primary metals	11,063	10,981	10,826	+0.7	+1.4	+0.7	10,991	10,902	10,817	10,912	+0.7
Fabricated metal products	31,372	31,359	31,182	0.0	+0.6	+0.5	31,070	31,094	30,991	30,786	+0.9
Industrial machinery and equipment	60,438	59,936	60,139	+0.8	-0.3	+0.2	61,044	59,757	59,763	61,563	-0.8
Engines and turbines	4,633	4,565	4,445	+1.5	+2.7	-0.5	4,864	4,674	4,460	4,263	+14.1
Farm and garden machinery	3,708	3,670	3,614	+1.0	+1.5	+1.5	3,810	3,479	3,363	3,948	-3.5
Construction, mining and material handling equipment	8,941	8,868	8,852	+0.8	+0.2	+0.1	8,934	8,769	8,709	9,005	-0.8
Metalworking machinery	8,043	8,119	8,101	-0.9	+0.2	+1.2	7,921	8,217	8,261	7,729	+2.5
Computer and office equipment	8,796	8,623	9,183	+2.0	-6.1	+0.2	9,032	8,578	9,170	9,388	-3.8
Electronic and other electrical equipment	42,551	42,091	41,518	+1.1	+1.4	+0.8	42,618	42,241	41,195	40,296	+5.8
Electrical transmission and distribution equipment and industrial apparatus	5,350	5,325	5,293	+0.5	+0.6	+0.8	5,434	5,349	5,219	5,424	+0.2
Household appliances	2,420	2,412	2,393	+0.3	+0.8	+2.4	2,362	2,359	2,281	2,369	-0.3
Electric lighting and wiring equipment	3,758	3,763	3,694	-0.1	+1.9	+2.5	3,802	3,843	3,663	3,528	+7.8
Household audio and video equipment	1,137	1,081	1,066	+5.2	+1.4	+4.2	1,128	1,107	1,140	1,047	+7.7
Communications equipment	11,601	11,168	10,921	+3.9	+2.3	+1.0	11,743	11,222	10,950	10,272	+14.3
Electronic components	14,605	14,691	14,554	-0.6	+0.9	0.0	14,555	14,723	14,354	14,098	+3.2
Transportation equipment	70,559	70,411	70,749	+0.2	-0.5	-0.2	71,402	70,908	71,147	77,276	-7.6
Motor vehicles and parts	17,894	17,638	17,420	+1.5	+1.3	-0.8	18,044	17,559	17,492	17,299	+4.3
Aircraft, missiles, space vehicles, and parts	46,306	46,499	47,276	-0.4	-1.6	+0.4	47,059	47,129	47,687	54,357	-13.4
Shipbuilding and tanks	2,271	2,232	2,211	+1.7	+0.9	-2.4	2,228	2,169	2,207	1,755	+27.0
Instruments and related products	27,035	27,058	27,098	-0.1	-0.1	+0.1	27,143	27,197	27,106	26,829	+1.2
Search and navigation equipment	7,001	6,984	6,971	+0.2	+0.2	+2.7	6,952	6,960	6,960	6,677	+4.1
Measuring and controlling devices	8,150	8,195	8,230	-0.5	-0.4	-0.4	8,141	8,183	8,209	7,997	+1.8
Medical instruments and supplies	8,825	8,779	8,810	+0.5	-0.4	-0.4	8,974	8,870	8,791	8,725	+2.9
Photographic goods	2,329	2,359	2,331	-1.3	+1.2	-3.1	2,345	2,442	2,401	2,683	-12.6
All other durable goods	29,050	28,855	28,839	+0.7	+0.1	-0.3	28,980	28,911	28,883	28,279	+2.5
Nondurable goods industries	174,822	174,074	172,768	+0.4	+0.8	+0.5	175,200	175,313	172,771	172,950	+1.3
With unfilled orders	40,798	40,692	40,613	+0.3	+0.2	+0.5	40,273	40,495	40,774	40,921	-1.6
Food and kindred products	38,801	38,769	38,139	+0.1	+1.7	+0.3	40,371	40,938	38,860	38,812	+4.0
Meat products	4,484	4,484	4,380	0.0	+2.4	+0.9	4,444	4,487	4,315	4,002	+11.0
Dairy products	3,936	3,937	3,892	0.0	+1.2	-0.4	3,805	3,943	3,855	3,696	+2.9
Beverages	8,672	8,654	8,600	+0.2	+0.6	-1.4	8,837	8,875	8,694	8,528	+3.6
All other foods, except fats and oils	20,056	20,003	19,651	+0.3	+1.8	+1.0	21,524	21,821	20,524	20,551	+4.7
Tobacco products	5,069	5,164	5,177	-1.8	-0.3	+0.5	5,304	5,366	5,014	6,144	-13.7
Textile mill products	10,089	10,071	10,112	+0.2	-0.4	+0.8	9,868	9,900	9,975	9,961	-0.9
Broadwoven fabrics and other textiles	6,099	6,090	6,113	+0.1	-0.4	-0.2	6,033	5,992	5,991	6,283	-4.0
Paper and allied products	16,140	16,125	16,133	+0.1	0.0	+1.3	15,959	15,889	16,003	16,251	-1.8
Pulp, paper, and paperboard mill products	6,258	6,299	6,324	-0.7	-0.4	0.0	6,206	6,214	6,260	6,686	-7.2
Paperboard containers and boxes	4,239	4,243	4,179	-0.1	+1.5	+3.1	4,169	4,164	4,170	4,077	+2.3
Miscellaneous converted paper products	5,643	5,583	5,630	+1.1	-0.8	+1.5	5,584	5,511	5,573	5,488	+1.7
Chemicals and allied products	47,450	46,903	46,546	+1.2	+0.8	-0.2	47,194	46,352	45,926	46,543	+1.4
Industrial chemicals	19,520	19,261	19,176	+1.3	+0.4	-0.2	19,352	18,977	19,147	19,649	-1.5
Drugs, soaps, and toiletries	21,970	21,754	21,527	+1.0	+1.1	+0.1	21,992	21,707	21,215	21,255	+3.5
Petroleum and coal products	12,184	12,052	11,887	+1.1	+1.4	+2.6	12,406	12,284	12,106	11,109	+11.7
Rubber and plastics products	17,764	17,714	17,492	+0.3	+1.3	+1.3	17,531	17,389	17,159	16,567	+5.8
All other nondurable goods	27,325	27,276	27,282	+0.2	0.0	-0.1	26,567	27,195	27,728	27,563	-3.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1999p	Oct. 1999r	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999p	Oct. 1999r	Sept. 1999	Nov. 1998	Nov. 99/98	1999p	1998
SHIPMENTS													
All manufacturing industries	364,518	360,201	358,709	+1.2	+0.4	-0.9	364,185	369,691	384,195	341,167	+6.7	3,893,012	3,709,953
Market categories :													
Automotive equipment	16,359	16,092	16,584	+1.7	-3.0	-1.9	16,774	17,940	17,914	15,723	+6.7	180,586	161,101
Home goods and apparel	20,227	20,070	19,711	+0.8	+1.8	-1.7	20,954	21,987	22,023	19,421	+7.9	221,240	209,672
Consumer staples	77,191	76,119	75,589	+1.4	+0.7	+0.7	77,998	78,185	79,898	70,000	+11.4	810,226	759,727
Machinery and equipment	67,925	68,807	67,932	-1.3	+1.3	-3.4	66,071	68,189	75,318	65,851	+0.3	738,967	701,875
Business supplies	27,501	26,995	26,898	+1.9	+0.4	0.0	28,068	27,723	28,057	26,017	+7.9	292,019	280,586
Construction materials and supplies	23,603	23,253	23,372	+1.5	-0.5	-0.9	23,043	24,243	24,912	21,480	+7.3	255,149	239,587
Defense products	7,572	6,822	6,719	+11.0	+1.5	+0.6	8,054	6,741	7,134	7,364	+9.4	74,681	75,526
Other materials, supplies and and intermediate products	124,140	122,043	121,904	+1.7	+0.1	-0.3	123,223	124,683	128,939	115,311	+6.9	1,320,144	1,281,879
Durable goods industries :													
Nondefense capital goods [3]	55,093	56,295	54,891	-2.1	+2.6	-4.2	53,021	53,981	61,867	52,882	+0.3	593,319	561,103
Excluding aircraft and parts	47,793	48,329	47,392	-1.1	+2.0	-1.1	45,796	46,414	53,933	43,142	+6.2	504,985	476,066
Defense capital goods [4]	7,254	6,569	6,455	+10.4	+1.8	-0.2	7,791	6,531	6,851	7,152	+8.9	71,929	72,086
Durables excluding capital goods	141,637	139,442	140,549	+1.6	-0.8	-1.0	142,512	146,349	150,588	134,638	+5.8	1,532,453	1,444,518
Miscellaneous series :													
Producers' durable equipment	131,596	131,711	130,948	-0.1	+0.6	-2.9	130,609	134,668	143,098	127,037	+2.8	1,431,827	1,345,206
Household durable goods	10,780	10,521	10,277	+2.5	+2.4	-3.4	11,278	11,143	11,518	9,886	+14.1	114,729	102,821
Information technology industries	27,989	28,704	27,163	-2.5	+5.7	-2.0	27,072	26,684	32,303	25,047	+8.1	290,030	265,595
Health care equipment and products	13,501	13,340	13,366	+1.2	-0.2	+0.6	13,176	13,172	14,854	12,081	+9.1	142,731	130,274
NEW ORDERS													
All manufacturing industries	365,178	360,725	360,886	+1.2	0.0	-1.0	361,698	373,387	380,404	333,218	+8.5	3,902,417	3,693,211
Market categories :													
Automotive equipment	16,292	16,136	16,559	+1.0	-2.6	-2.3	16,659	17,994	17,825	15,713	+6.0	180,584	160,963
Home goods and apparel	20,277	20,281	19,854	0.0	+2.2	-0.9	20,714	22,171	22,029	19,368	+6.9	221,994	209,705
Consumer staples	77,274	76,217	75,552	+1.4	+0.9	+0.4	78,032	78,104	79,561	70,159	+11.2	810,961	759,937
Machinery and equipment	67,445	68,364	69,418	-1.3	-1.5	+0.6	65,840	67,984	76,037	62,907	+4.7	732,726	702,877
Business supplies	27,593	27,064	26,773	+2.0	+1.1	-1.3	28,105	27,580	27,588	26,152	+7.5	292,737	280,872
Construction materials and supplies	23,502	23,350	23,017	+0.7	+1.4	-2.0	22,810	24,164	24,440	21,239	+7.4	255,130	239,127
Defense products	6,445	7,992	5,898	-19.4	+35.5	+12.3	6,794	8,383	5,536	6,091	+11.5	68,917	66,279
Other materials, supplies and and intermediate products	126,350	121,321	123,815	+4.1	-2.0	-2.7	122,744	127,007	127,388	111,589	+10.0	1,339,368	1,273,451
Durable goods industries :													
Nondefense capital goods [3]	54,510	56,291	56,050	-3.2	+0.4	-0.7	52,896	54,441	62,872	49,726	+6.4	587,734	559,672
Excluding aircraft and parts	48,370	48,891	48,990	-1.1	-0.2	+2.6	46,831	47,440	55,377	42,570	+10.0	511,150	478,357
Defense capital goods [4]	6,057	7,671	5,485	-21.0	+39.9	+8.7	6,354	8,038	5,073	5,939	+7.0	65,666	62,831
Durables excluding capital goods	143,780	138,480	142,814	+3.8	-3.0	-2.2	141,352	148,412	148,775	130,885	+8.0	1,551,467	1,440,268
Miscellaneous series :													
Producers' durable equipment	130,627	130,626	132,641	0.0	-1.5	-0.5	129,263	134,171	143,722	123,962	+4.3	1,423,868	1,345,538
Household durable goods	10,769	10,746	10,322	+0.2	+4.1	-2.1	11,003	11,512	11,496	9,668	+13.8	115,268	102,448
Information technology industries	28,418	28,739	27,895	-1.1	+3.0	+2.5	27,618	26,722	32,874	24,369	+13.3	292,663	266,914
Health care equipment and products	13,598	13,335	13,213	+2.0	+0.9	-1.3	13,228	13,410	14,519	11,880	+11.3	143,065	131,698

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment, metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Nov. 1998	Nov. 99/98
UNFILLED ORDERS											
All manufacturing industries	526,623	525,963	525,439	+0.1	+0.1	+0.4	522,442	524,929	521,233	514,816	+1.5
Market categories :											
Automotive equipment	2,482	2,549	2,505	-2.6	+1.8	-0.9	2,403	2,517	2,464	2,348	+2.3
Home goods and apparel	9,350	9,300	9,089	+0.5	+2.3	+1.6	9,066	9,306	9,122	8,591	+5.5
Consumer staples	3,041	2,958	2,860	+2.8	+3.4	-1.3	2,998	2,964	3,045	2,260	+32.7
Machinery and equipment	234,552	235,032	235,476	-0.2	-0.2	+0.6	234,338	234,569	234,774	243,744	-3.9
Business supplies	7,409	7,317	7,248	+1.3	+1.0	-1.7	7,238	7,200	7,344	6,718	+7.7
Construction materials and supplies	17,568	17,668	17,572	-0.6	+0.5	-2.0	17,220	17,453	17,532	17,166	+0.3
Defense products	86,784	87,911	86,740	-1.3	+1.4	-0.9	85,151	86,411	84,769	88,298	-3.6
Other materials, supplies and and intermediate products	165,437	163,228	163,949	+1.4	-0.4	+1.2	164,028	164,509	162,183	145,691	+12.6
Durable goods industries :											
Nondefense capital goods [3]	251,243	251,826	251,830	-0.2	0.0	+0.5	251,505	251,630	251,170	259,785	-3.2
Excluding aircraft and parts	112,488	111,911	111,349	+0.5	+0.5	+1.5	112,750	111,715	110,689	105,463	+6.9
Defense capital goods [4]	91,313	92,510	91,408	-1.3	+1.2	-1.1	89,450	90,887	89,380	92,961	-3.8
Durables excluding capital goods	158,286	156,143	157,105	+1.4	-0.6	+1.5	156,302	157,462	155,399	138,652	+12.7
Miscellaneous series :											
Producers' durable equipment	272,212	273,181	274,266	-0.4	-0.4	+0.6	271,596	272,942	273,439	283,446	-4.2
Household durable goods	5,770	5,781	5,556	-0.2	+4.0	+0.8	5,700	5,975	5,606	5,410	+5.4
Information technology industries	41,578	41,149	41,114	+1.0	+0.1	+1.8	41,749	41,203	41,165	39,289	+6.3
Health care equipment and products	9,830	9,733	9,738	+1.0	-0.1	-1.5	9,960	9,907	9,669	9,888	+0.7
TOTAL INVENTORIES											
All manufacturing industries	469,656	467,522	465,669	+0.5	+0.4	+0.3	471,002	468,752	465,082	471,705	-0.1
Market categories :											
Automotive equipment	8,956	8,903	8,740	+0.6	+1.9	-0.5	8,949	8,837	8,667	8,558	+4.6
Home goods and apparel	31,688	31,539	31,591	+0.5	-0.2	+0.4	30,648	31,132	31,622	31,307	-2.1
Consumer staples	76,057	75,785	74,899	+0.4	+1.2	+0.3	77,744	77,973	75,269	75,477	+3.0
Machinery and equipment	117,166	116,218	116,051	+0.8	+0.1	+0.3	118,591	116,538	115,681	122,048	-2.8
Business supplies	28,486	28,352	28,390	+0.5	-0.1	+0.6	28,403	28,485	28,727	28,205	+0.7
Construction materials and supplies	30,249	30,109	29,746	+0.5	+1.2	+0.5	30,009	29,885	29,539	28,658	+4.7
Defense products	18,067	18,116	18,474	-0.3	-1.9	+1.3	18,012	18,246	18,715	18,662	-3.5
Other materials, supplies and and intermediate products	158,987	158,500	157,778	+0.3	+0.5	0.0	158,646	157,656	156,862	158,790	-0.1
Durable goods industries :											
Nondefense capital goods [3]	108,221	107,299	107,465	+0.9	-0.2	+0.1	109,585	107,775	107,358	113,974	-3.9
Excluding aircraft and parts	73,772	72,693	72,476	+1.5	+0.3	+0.1	74,411	72,720	72,214	72,398	+2.8
Defense capital goods [4]	18,426	18,444	18,866	-0.1	-2.2	+1.5	18,402	18,588	19,153	19,065	-3.5
Durables excluding capital goods	168,187	167,705	166,570	+0.3	+0.7	0.0	167,815	167,076	165,800	165,716	+1.3
Miscellaneous series :											
Producers' durable equipment	191,535	190,226	189,913	+0.7	+0.2	+0.5	192,672	190,293	189,491	194,503	-0.9
Household durable goods	16,535	16,359	16,289	+1.1	+0.4	+0.3	16,257	16,284	16,288	16,286	-0.2
Information technology industries	33,799	33,243	33,523	+1.7	-0.8	+0.1	34,123	33,286	33,537	32,777	+4.1
Health care equipment and products	20,719	20,559	20,467	+0.8	+0.4	-0.1	20,879	20,623	20,280	20,234	+3.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov 1999[p]	Oct 1999[r]	Sept 1999	Oct - Nov	Sept - Oct.	Aug.- Sept	Nov 1999[p]	Oct 1999[r]	Sept 1999	Nov 1998	Nov 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	155,670	154,064	154,150	+1.0	-0.1	+0.5	155,792	154,549	154,734	155,775	0.0
Durable goods industries	94,059	92,872	92,990	+1.3	-0.1	+0.5	94,641	93,306	93,844	93,671	+1.0
Stone, clay, and glass products	3,251	3,276	3,269	-0.8	+0.2	+0.7	3,254	3,277	3,299	3,150	+3.3
Primary metals	7,492	7,441	7,428	+0.7	+0.2	+0.4	7,683	7,621	7,575	8,089	-5.0
Fabricated metal products	10,652	10,664	10,684	-0.1	-0.2	+1.0	10,610	10,653	10,787	10,611	0.0
Industrial machinery and equipment	20,374	19,879	20,137	+2.5	-1.3	+1.3	20,511	19,792	20,388	19,909	+3.0
Electronic and other electrical equipment	16,938	16,372	16,205	+3.5	+1.0	+0.6	16,998	16,469	16,268	15,708	+8.2
Transportation equipment	15,208	15,244	15,259	-0.2	-0.1	+0.3	15,150	15,129	15,300	15,598	-2.9
Instruments and related products	9,151	9,171	9,124	-0.2	+0.5	-0.3	9,081	9,181	9,145	9,179	-1.1
Lumber, furniture and miscellaneous durable goods	10,993	10,825	10,884	+1.6	-0.5	-0.7	11,354	11,184	11,082	11,427	-0.6
Nondurable goods industries	61,611	61,192	61,160	+0.7	+0.1	+0.4	61,151	61,243	60,890	62,104	-1.5
Food and kindred products	11,394	11,257	11,367	+1.2	-1.0	-1.3	11,473	11,544	11,170	11,348	+1.1
Tobacco products	4,497	4,602	4,588	-2.3	+0.3	+0.7	4,513	4,680	4,455	5,053	-10.7
Textile mill products	2,928	2,915	2,911	+0.4	+0.1	+1.3	2,831	2,833	2,866	2,795	+1.3
Paper and allied products	7,786	7,757	7,803	+0.4	-0.6	+1.2	7,747	7,725	7,807	7,896	-1.9
Chemicals and allied products	15,500	15,339	15,239	+1.0	+0.7	-0.4	15,334	15,220	15,212	15,390	-0.4
Petroleum and coal products	3,654	3,553	3,456	+2.8	+2.8	+5.4	3,668	3,587	3,439	3,583	+2.4
Rubber and plastics products	7,166	7,094	7,108	+1.0	-0.2	+0.9	7,123	7,042	7,113	6,905	+3.2
Apparel, printing and publishing and leather goods	8,686	8,675	8,688	+0.1	-0.1	+0.9	8,462	8,612	8,828	9,134	-7.4
WORK IN PROCESS											
All manufacturing industries	146,603	146,218	145,587	+0.3	+0.4	+0.2	148,365	147,837	145,919	153,935	-3.6
Durable goods industries	115,696	115,659	115,393	0.0	+0.2	+0.1	116,776	116,330	115,611	123,475	-5.4
Stone, clay, and glass products	1,578	1,576	1,531	+0.1	+2.9	+1.0	1,472	1,503	1,499	1,260	+16.8
Primary metals	8,279	8,208	8,094	+0.9	+1.4	-0.3	8,196	8,136	8,080	8,540	-4.0
Fabricated metal products	9,050	9,102	9,042	-0.6	+0.7	+0.8	9,107	9,180	9,130	9,251	-1.6
Industrial machinery and equipment	21,419	21,572	21,336	-0.7	+1.1	-1.1	21,734	21,714	21,269	23,103	-5.9
Electronic and other electrical equipment	13,982	14,054	13,987	-0.5	+0.5	-0.5	13,935	14,041	13,909	13,939	0.0
Transportation equipment	45,444	45,333	45,614	+0.2	-0.6	+0.4	46,378	45,997	45,934	52,094	-11.0
Instruments and related products	10,159	10,147	10,161	+0.1	-0.1	+1.4	10,231	10,106	10,079	10,055	+1.8
Lumber, furniture and miscellaneous durable goods	5,785	5,667	5,628	+2.1	+0.7	+1.3	5,723	5,653	5,711	5,233	+9.4
Nondurable goods industries	30,907	30,559	30,194	+1.1	+1.2	+0.7	31,589	31,507	30,308	30,460	+3.7
Food and kindred products	6,302	6,257	6,116	+0.7	+2.3	+0.1	6,943	7,008	6,125	6,377	+8.9
Tobacco products	121	106	87	+14.2	+21.8	+11.5	148	122	86	105	+41.0
Textile mill products	2,463	2,457	2,448	+0.2	+0.4	+1.2	2,466	2,471	2,462	2,613	-5.6
Paper and allied products	1,786	1,735	1,711	+2.9	+1.4	+2.8	1,713	1,645	1,689	1,500	+14.2
Chemicals and allied products	8,903	8,967	8,918	-0.7	+0.5	+0.7	8,893	8,970	8,801	9,190	-3.2
Petroleum and coal products	3,155	2,892	2,901	+9.1	-0.3	+1.6	3,208	2,966	2,975	2,479	+29.4
Rubber and plastics products	2,243	2,259	2,281	-0.7	-1.0	+0.9	2,270	2,277	2,282	2,275	-0.2
Apparel, printing and publishing and leather goods	5,934	5,886	5,732	+0.8	+2.7	+0.1	5,948	6,048	5,888	5,921	+0.5
FINISHED GOODS											
All manufacturing industries	167,383	167,240	165,932	+0.1	+0.8	+0.1	166,845	166,366	164,429	161,995	+3.0
Durable goods industries	85,079	84,917	84,518	+0.2	+0.5	-0.2	84,385	83,803	82,856	81,609	+3.4
Stone, clay, and glass products	4,971	5,002	4,924	-0.6	+1.6	-0.8	4,772	4,732	4,751	4,594	+3.9
Primary metals	8,258	8,235	8,130	+0.3	+1.3	-0.1	8,168	8,062	8,022	8,093	+0.9
Fabricated metal products	11,670	11,593	11,456	+0.7	+1.2	-0.2	11,353	11,261	11,074	10,924	+3.9
Industrial machinery and equipment	18,645	18,485	18,666	+0.9	-1.0	+0.7	18,799	18,251	18,106	18,551	+1.3
Electronic and other electrical equipment	11,631	11,665	11,326	-0.3	+3.0	+2.6	11,685	11,731	11,018	10,649	+9.7
Transportation equipment	9,907	9,834	9,876	+0.7	-0.4	-3.4	9,874	9,782	9,913	9,584	+3.0
Instruments and related products	7,725	7,740	7,813	-0.2	-0.9	-0.9	7,831	7,910	7,882	7,595	+3.1
Lumber, furniture and miscellaneous durable goods	12,272	12,363	12,327	-0.7	+0.3	-0.7	11,903	12,074	12,090	11,619	+2.4
Nondurable goods industries	82,304	82,323	81,414	0.0	+1.1	+0.5	82,460	82,563	81,573	80,386	+2.6
Food and kindred products	21,105	21,255	20,656	-0.7	+2.9	+1.3	21,955	22,386	21,565	21,087	+4.1
Tobacco products	451	456	502	-1.1	-9.2	-2.7	643	564	473	986	-34.8
Textile mill products	4,698	4,699	4,753	0.0	-1.1	+0.4	4,571	4,596	4,647	4,553	+0.4
Paper and allied products	6,568	6,633	6,619	-1.0	+0.2	+1.0	6,499	6,519	6,507	6,855	-5.2
Chemicals and allied products	23,047	22,597	22,389	+2.0	+0.9	-0.3	22,967	22,162	21,913	21,963	+4.6
Petroleum and coal products	5,375	5,607	5,530	-4.1	+1.4	+1.4	5,530	5,731	5,692	5,047	+9.6
Rubber and plastics products	8,355	8,361	8,103	-0.1	+3.2	+1.8	8,138	8,070	7,764	7,387	+10.2
Apparel, printing and publishing and leather goods	12,705	12,715	12,862	-0.1	-1.1	-0.7	12,157	12,535	13,012	12,508	-2.8

[p] Preliminary [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov 1999[p]	Oct. 1999[r]	Sept. 1999	Aug. 1999	Nov. 1999[p]	Oct. 1999[r]	Sept. 1999	Aug. 1999
All manufacturing industries	1.29	1.30	1.30	1.28	2.55	2.57	2.58	2.53
Durable goods industries	1.45	1.45	1.45	1.42	2.97	2.99	3.02	2.95
Stone, clay, and glass products	1.09	1.11	1.10	1.10	0.72	0.73	0.71	0.70
Primary metals	1.55	1.57	1.55	1.56	2.09	2.13	2.10	2.10
Fabricated metal products	1.51	1.55	1.53	1.49	1.26	1.30	1.30	1.29
Industrial machinery and equipment	1.56	1.52	1.59	1.55	2.19	2.14	2.24	2.15
Electronic and other electrical equipment	1.20	1.21	1.18	1.17	2.25	2.19	2.14	2.04
Transportation equipment	1.46	1.48	1.46	1.39	8.60	8.78	8.77	8.23
Instruments and related products	1.80	1.82	1.83	1.87	3.04	3.09	3.13	3.23
Nondurable goods industries	1.09	1.10	1.10	1.10	0.67	0.68	0.67	0.67
Food and kindred products	0.91	0.92	0.91	0.91	(X)	(X)	(X)	(X)
Tobacco products	1.10	1.15	1.21	1.21	(X)	(X)	(X)	(X)
Textile mill products	1.54	1.52	1.56	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.17	1.17	1.14	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.32	1.32	1.33	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.74	0.77	0.76	0.76	(X)	(X)	(X)	(X)
Rubber and plastics products	1.24	1.28	1.28	1.25	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1999	Nov.[2] 1994-1998	Nov. 1998-Oct. 1999	Nov[1] 1999	Nov.[2] 1994-1998	Nov. 1998-Oct. 1999	Nov.[1] 1999	Nov.[2] 1994-1998	Nov. 1998-Oct. 1999	Nov.[1] 1999	Nov.[2] 1994-1998	Nov. 1998-Oct. 1999
All manufacturing industries	(X)	0.2	0.1	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	-0.5	0.2	0.1	-2.4	0.3	0.4	-0.3	0.1	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.5	0.3	(X)	0.5	0.4	(X)	0.5	0.5	(X)	0.2	0.2
Primary metals	-3.1	0.4	0.2	-2.7	0.5	0.8	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.5	0.2	(X)	0.4	0.5	(X)	0.4	0.3	(X)	0.2	0.1
Industrial machinery and equipment	6.5	0.5	0.4	3.7	0.7	0.3	0.2	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-3.4	0.7	0.4	-19.1	0.9	1.6	-4.5	0.6	0.7	(X)	0.1	0.2
Transportation equipment	-2.8	0.4	0.5	3.4	0.5	0.8	0.8	0.1	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.3	0.5	(X)	1.2	1.0	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
Rubber and plastics products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	5.1	0.5	0.2	4.0	0.7	0.5	0.3	0.1	0.1	(X)	0.1	0.1
Defense	-8.0	0.7	0.6	56.2	2.4	4.5	1.9	0.2	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

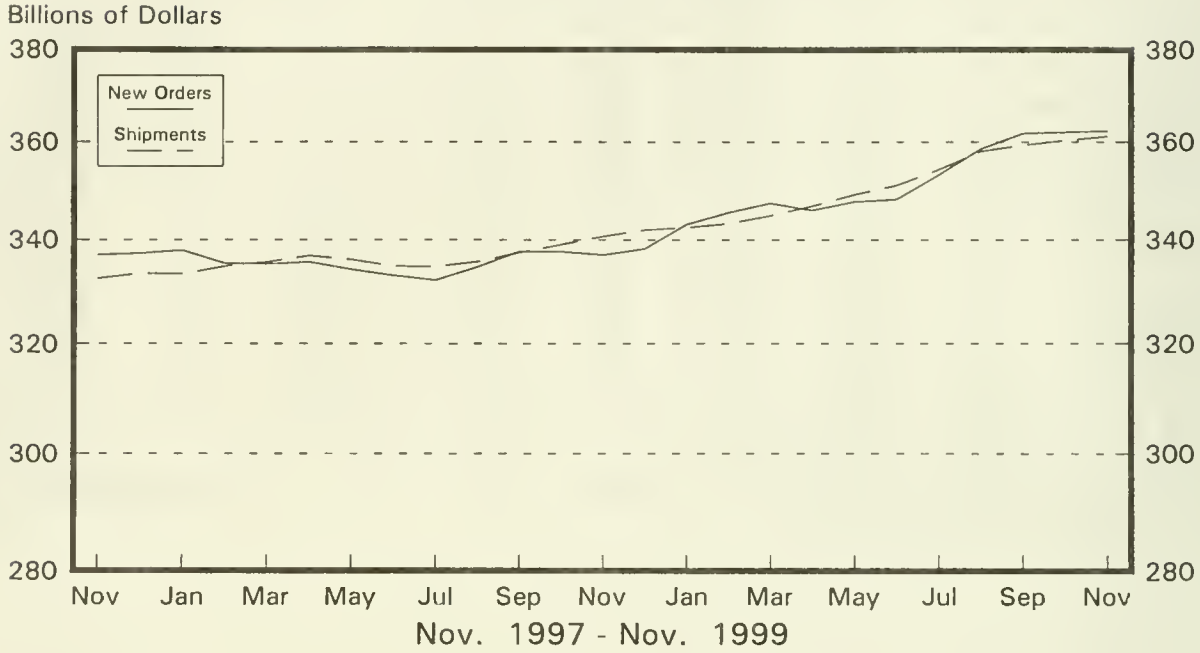
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

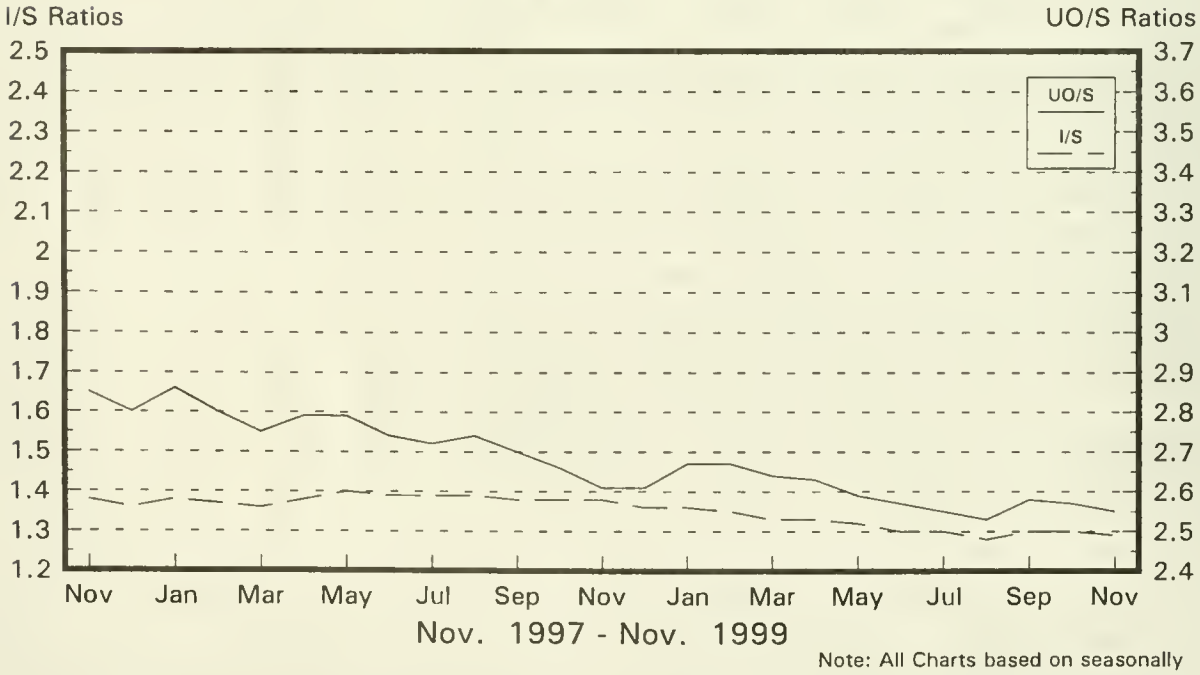
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

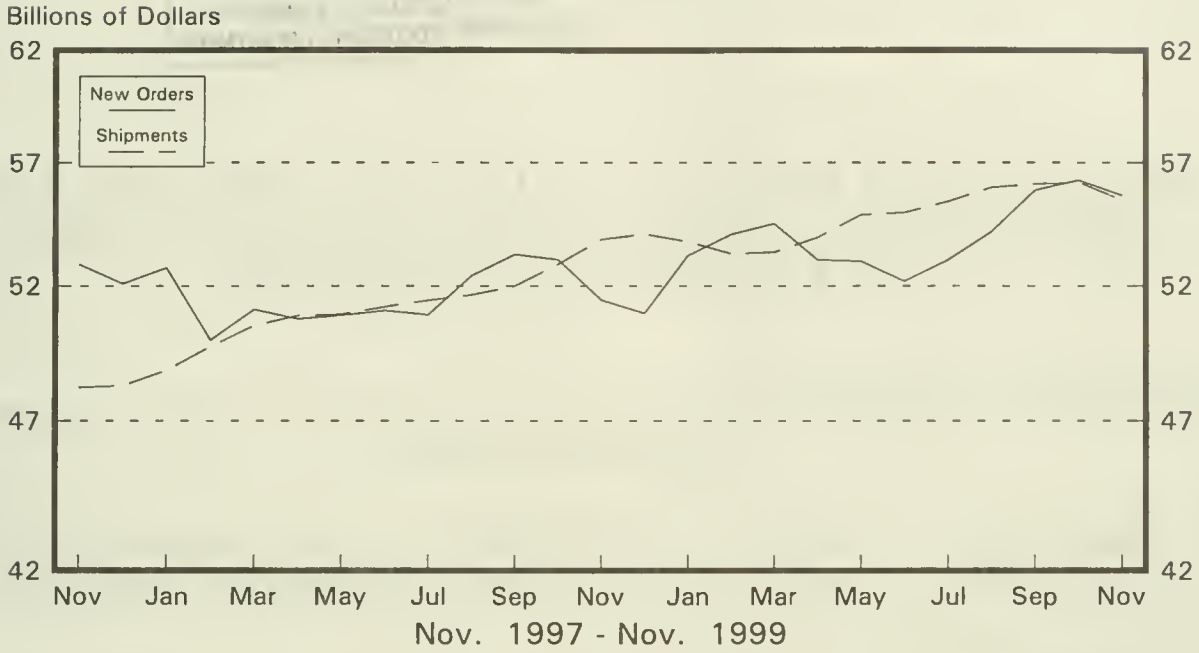
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

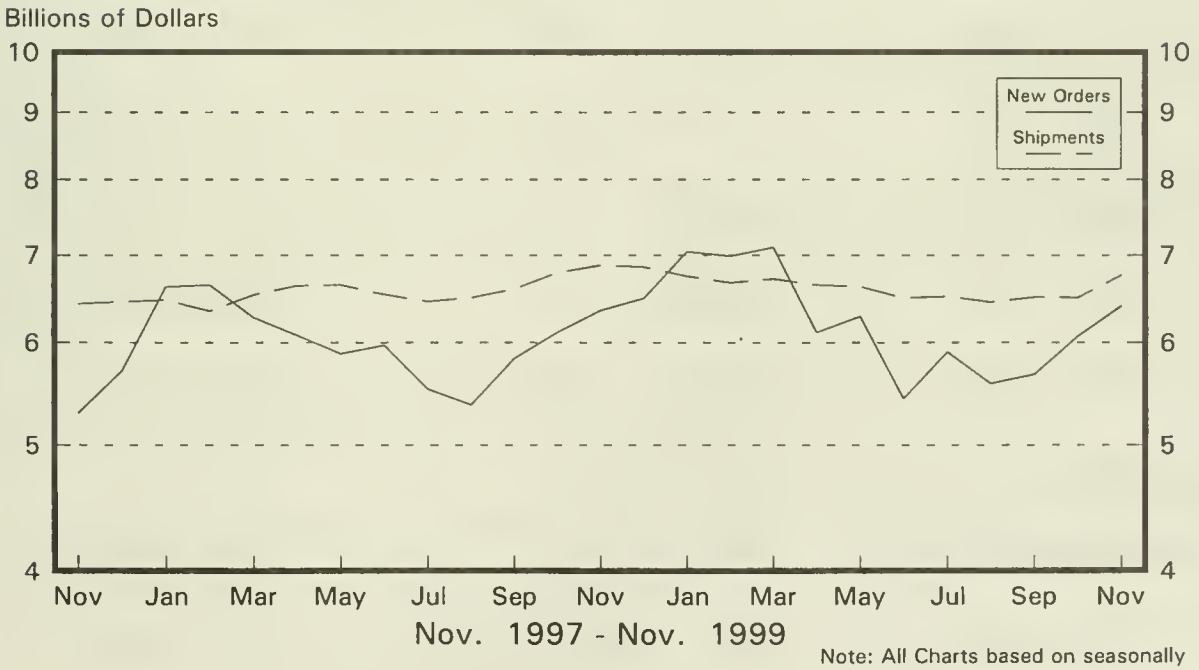
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1999/2000 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
December 1999	Thur., Jan. 27	Thur., Feb. 3
January 2000	Thur., Feb. 24	Fri., Mar. 3
February 2000	Fri., Mar. 24	Fri., Mar. 31
March 2000	Wed., Apr. 26	Wed., May 3
April 2000	Fri., May 26	Fri., Jun. 2
May 2000	Wed., Jun. 28	Thurs., Jul. 6
June 2000	Thur., Jul. 27	Thurs., Aug. 3
July 2000	Thurs., Aug. 24	Thurs., Aug. 31
August 2000	Wed., Sep. 27	Wed., Oct. 4
September 2000	Fri., Oct. 27	Fri., Nov. 3
October 2000	Tues., Nov. 28	Tues., Dec. 5
November 2000	Fri., Dec. 22	

C 3.158: M3-1-(99)-12

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

December 1999
M3-1-(99)-12
For Wire Transmissions 10:00 a.m. E.S.T. February 3, 2000

For Data - (301) 457-4673
For Questions - Frances Porter or Lee Wentela
(301) 457-4804 or (301) 457-4832

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $12.1 billion or 3.3 percent to $377.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.4 percent November increase and is the largest increase since December 1992. Excluding transportation, new orders increased 1.0 percent. New orders for 1999 are 6.0 percent above 1998.

Shipments increased $2.4 billion or 0.7 percent to $367.4 billion, following a 1.3 percent November increase. This is the seventh increase in the last eight months. Shipments for 1999 are 5.1 percent above 1998.

Unfilled orders increased $10.4 billion or 2.0 percent to $537.0 billion, following a 0.1 percent November increase. This is the sixth consecutive increase and the largest since November 1997. The unfilled orders-to-shipments ratio was 2.58, up from 2.54 in November.

Inventories increased $1.1 billion or 0.2 percent to $471.0 billion, following a 0.5 percent November increase. This is the fourth consecutive increase. The inventories-to-shipments ratio was 1.28, down from 1.29 in November.

New Orders

New orders for manufactured durable goods in December increased $11.3 billion or 5.5 percent to $216.1 billion, revised from the previously published 4.1 percent increase. This follows a 1.2 percent November increase and is the largest increase since December 1992.

Transportation equipment had the largest increase, $9.0 billion or 20.0 percent to $53.9 billion; all component industries increased, led by aircraft and parts. This is the largest increase since November 1997. Electronic and other electrical equipment, up six of the last seven months, increased $2.4 billion or 6.0 percent to $41.7 billion. Instruments and related products increased $1.1 billion or 7.3 percent to $15.9 billion. This is the largest increase since September 1998. Industrial machinery and equipment, down six of the last eight months, decreased $1.3 billion or 3.2 percent to $38.1 billion.

New orders for nondurable goods, up seven of the last eight months, increased $0.9 billion or 0.5 percent to $161.7 billion. Petroleum and coal products had the largest increase.

Shipments

Shipments of durable goods in December increased $1.3 billion or 0.6 percent to $205.8 billion, revised from the previously published 0.7 percent increase. This is the seventh increase in the last eight months.

Transportation equipment had the largest increase, $1.6 billion or 3.4 percent to $50.0 billion; all component industries increased, led by motor vehicles and parts. Electronic and other electrical equipment increased $0.4 billion or 1.1 percent to $36.0 billion. Industrial machinery and equipment, down four of the last five months, decreased $0.6 billion or 1.6 percent to $38.4 billion.

Shipments of nondurable goods increased $1.1 billion or 0.7 percent to $161.6 billion. This is the eighth consecutive increase. Petroleum and coal products, up ten of the last eleven months, increased $0.5 billion or 3.1 percent to $17.2 billion.

Unfilled Orders

Unfilled orders for durable goods in December increased $10.3 billion or 2.1 percent to $511.2 billion, revised from the previously published 1.5 percent increase. This is the sixth consecutive monthly increase and the largest since November 1997. Electronic and other electrical equipment, up thirteen consecutive months, had the largest increase, $5.7 billion or 7.1 percent to $85.9 billion. This is the largest increase since August 1997. Transportation equipment, up for the first time since January, increased $3.9 billion or 1.8 percent to $225.8 billion. Instruments and related products, up for the first time since May, increased $0.9 billion or 2.1 percent to $46.6 billion. This is the largest increase since July 1997. Industrial machinery and equipment, down for the first time since June, decreased $0.4 billion or 0.4 percent to $80.9 billion.

Inventories

Inventories of durable goods in December increased $0.4 billion or 0.1 percent to $295.3 billion. This is the fourth consecutive increase.

Electronic and other electrical equipment had the largest increase, $1.0 billion or 2.4 percent to $43.7 billion. This is the fourth consecutive increase and the largest since December 1983. Industrial machinery and equipment, up four of the last five months, increased $0.3 billion or 0.5 percent to $60.8 billion. Transportation equipment, down four of the last five months, decreased $1.5 billion or 2.1 percent to $68.9 billion.

Inventories of nondurable goods, up nine of the last ten months, increased $0.8 billion or 0.4 percent to $175.6 billion. Chemicals and allied products had the largest increase, $0.3 billion or 0.6 percent to $47.7 billion.

By stage of fabrication, December finished goods increased 0.7 percent in durables and 0.4 percent in nondurables. Work in process decreased 1.5 percent in durables and 0.2 percent in nondurables. Materials and supplies increased 1.5 percent in durables and 0.8 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for January is scheduled for February 24, 2000 at 8:30 a.m. and the full report on March 3, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98	1999[p]	1998
All manufacturing industries	367,353	364,971	360,201	+0.7	+1.3	+0.4	365,470	364,779	369,691	342,295	+6.8	4,259,076	4,052,248
Manufacturing Industries													
with unfilled orders	208,259	207,251	204,951	+0.5	+1.1	+0.7	215,009	208,276	207,995	204,497	+5.1	2,429,685	2,334,618
without defense capital goods	360,935	357,815	353,632	+0.9	+1.2	+0.4	358,083	357,046	363,160	334,709	+7.0	4,179,818	3,972,576
Durable goods industries	205,752	204,430	202,306	+0.6	+1.0	+0.2	208,973	203,877	206,861	198,280	+5.4	2,407,227	2,275,987
With unfilled orders	169,630	168,782	167,223	+0.5	+0.9	+0.9	176,783	168,838	168,935	167,916	+5.3	1,978,811	1,885,223
Stone, clay, and glass products	8,976	9,003	8,873	-0.3	+1.5	+0.1	8,043	8,893	9,442	7,402	+8.7	103,859	96,193
Primary metals	15,672	15,574	15,191	+0.6	+2.5	-0.7	14,368	15,167	15,539	12,997	+10.5	178,387	180,973
Blast furnaces, steel mills	6,039	6,059	5,893	-0.3	+2.8	+1.4	5,533	5,817	6,024	4,900	+12.9	68,712	72,767
Iron and steel foundries	1,575	1,510	1,468	+4.3	+2.9	-4.7	1,348	1,456	1,554	1,323	+1.9	18,324	18,095
Nonferrous and other primary metals	8,058	8,005	7,830	+0.7	+2.2	-1.4	7,487	7,894	7,961	6,774	+10.5	91,351	90,111
Fabricated metal products	20,558	20,713	20,281	-0.7	+2.1	-0.5	19,129	20,654	21,336	19,152	-0.1	245,779	239,667
Industrial machinery and equipment	38,438	39,075	39,471	-1.6	-1.0	+4.6	41,812	36,757	38,305	40,163	+4.1	454,927	442,316
Engines and turbines	2,622	2,677	2,620	-2.1	+2.2	-3.2	3,276	2,664	2,526	2,900	+13.0	30,295	27,162
Farm and garden machinery	1,816	1,755	1,571	+3.5	+11.7	-6.9	1,347	1,224	1,402	1,270	+6.1	21,766	23,792
Construction, mining and material handling equipment	3,737	3,690	3,698	+1.3	-0.2	-2.5	3,598	3,392	3,636	3,849	-6.5	46,043	50,438
Metalworking machinery	3,879	3,832	3,992	+1.2	-4.0	+4.0	4,087	4,306	4,486	3,673	+11.3	44,318	42,025
Computer and office equipment	10,880	12,036	12,892	-9.6	-6.6	+16.0	14,160	11,187	11,468	14,670	-3.5	138,650	129,875
Electronic and other electrical equipment	36,009	35,605	34,860	+1.1	+2.1	-1.3	40,753	36,912	34,795	36,962	+10.3	413,140	375,970
Electrical transmission and distribution equipment and industrial apparatus	3,938	3,876	3,754	+1.6	+3.2	-4.6	3,948	3,705	3,602	3,808	+3.7	45,936	44,152
Household appliances	2,363	2,425	2,348	-2.6	+3.3	+5.7	2,297	2,358	2,302	2,204	+4.2	28,241	25,184
Electric lighting and wiring equipment	2,658	2,556	2,490	+4.0	+2.7	-1.8	2,948	2,655	2,433	2,622	+12.4	29,394	27,089
Household audio and video equipment	936	975	995	-4.0	-2.0	-6.2	919	1,201	1,266	1,123	-18.2	12,520	12,386
Communications equipment	8,719	8,587	8,547	+1.5	+0.5	-3.9	12,173	8,524	7,985	10,708	+13.7	101,383	86,198
Electronic components	15,053	14,985	14,570	+0.5	+2.8	+1.7	16,154	15,794	14,757	14,293	+13.0	168,383	154,479
Transportation equipment	49,950	48,326	47,659	+3.4	+1.4	-1.8	48,573	49,461	51,055	46,660	+4.1	583,568	536,896
Motor vehicles and parts	33,963	33,239	32,898	+2.2	+1.0	-3.0	29,983	33,932	36,628	28,329	+5.8	399,681	359,560
Aircraft, missiles, space vehicles, and parts	11,759	11,477	11,493	+2.5	-0.1	+5.5	14,393	11,954	11,112	14,685	-2.0	141,620	138,223
Shipbuilding and tanks	1,025	1,003	973	+2.2	+3.1	-20.0	1,254	1,022	943	1,090	+15.0	12,126	12,289
Instruments and related products	14,952	14,992	14,834	-0.3	+1.1	+0.3	16,109	15,110	14,506	15,423	+4.4	174,385	168,952
Search and navigation equipment	3,125	3,099	3,171	+0.8	-2.3	+1.7	3,425	3,109	3,080	3,508	-2.4	37,703	37,006
Measuring and controlling devices	4,535	4,471	4,409	+1.4	+1.4	+2.4	4,841	4,516	4,349	4,228	+14.5	50,898	48,758
Medical instruments and supplies	4,808	4,894	4,842	-1.8	+1.1	-2.7	5,293	4,777	4,575	5,328	-0.7	57,557	54,215
Photographic goods	1,984	2,028	1,911	-2.2	+6.1	+0.7	2,069	2,212	2,012	1,909	+8.4	22,369	23,482
All other durable goods	21,197	21,142	21,137	+0.3	0.0	+0.9	20,186	20,923	21,883	19,521	+3.4	253,181	235,020
Nondurable goods industries	161,601	160,541	157,895	+0.7	+1.7	+0.7	156,497	160,902	162,830	144,015	+8.7	1,851,849	1,776,261
With unfilled orders	38,629	38,469	37,728	+0.4	+2.0	0.0	38,226	39,438	39,060	36,581	+4.5	450,874	449,395
Food and kindred products	42,525	42,363	42,292	+0.4	+0.2	+0.4	41,910	43,223	43,792	40,952	+2.3	501,159	490,365
Meat products	9,511	9,440	9,431	+0.8	+0.1	+2.4	9,412	9,630	9,700	8,391	+12.2	107,909	104,372
Dairy products	6,664	6,546	6,432	+1.8	+1.8	-1.6	6,689	6,785	6,283	6,868	-2.6	77,704	75,048
Beverages	6,400	6,475	6,458	-1.2	+0.3	+0.9	5,943	6,188	6,466	5,753	+3.3	76,079	73,096
All other foods, except fats and oils	18,057	18,040	18,069	+0.1	-0.2	-0.7	17,973	18,758	19,441	17,784	+1.1	217,311	212,897
Tobacco products	4,388	4,475	4,500	-1.9	-0.6	+5.3	4,016	4,612	4,522	3,912	+2.7	50,551	41,625
Textile mill products	6,568	6,545	6,638	+0.4	-1.4	+2.1	5,934	6,590	7,003	5,825	+1.9	78,325	80,624
Broadwoven fabrics and other textiles	3,718	3,681	3,642	+1.0	+1.1	+0.9	3,525	3,588	3,698	3,561	-1.0	44,452	48,537
Paper and allied products	14,364	14,268	13,781	+0.7	+3.5	0.0	14,028	14,095	14,081	13,287	+5.6	164,491	165,429
Pulp, paper, and paperboard mill products	5,675	5,637	5,247	+0.7	+7.4	-2.1	5,581	5,619	5,334	4,973	+12.2	63,530	63,657
Paperboard containers and boxes	3,698	3,632	3,637	+1.8	-0.1	+2.7	3,512	3,588	3,792	3,361	+4.5	41,448	42,900
Miscellaneous converted paper products	4,991	4,999	4,897	-0.2	+2.1	+0.5	4,935	4,888	4,955	4,953	-0.4	59,513	58,872
Chemicals and allied products	35,962	35,937	35,552	+0.1	+1.1	+1.5	35,661	34,579	35,055	33,291	+7.1	413,480	391,700
Industrial chemicals	16,212	16,215	16,042	0.0	+1.1	+2.3	15,674	15,843	15,879	14,189	+10.5	183,399	179,798
Drugs, soaps, and toiletries	15,720	15,747	15,675	-0.2	+0.5	+1.3	16,571	15,513	15,849	15,814	+4.8	183,359	165,625
Petroleum and coal products	17,154	16,634	15,627	+3.1	+6.4	-0.2	16,748	16,755	16,531	10,673	+56.9	170,822	145,673
Rubber and plastics products	14,455	14,339	13,811	+0.8	+3.8	+0.8	13,012	13,816	14,358	12,007	+8.4	164,688	158,156
All other nondurable goods	26,185	25,980	25,694	+0.8	+1.1	-0.1	25,188	27,232	27,488	24,068	+4.7	308,333	302,689

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98	1999[p]	1998
All manufacturing industries	377,761	365,612	360,725	+3.3	+1.4	0.0	374,558	361,933	373,387	340,465	+10.0	4,277,210	4,033,676
Manufacturing industries with unfilled orders	218,667	207,892	205,475	+5.2	+1.2	-0.1	224,097	205,430	211,691	202,667	+10.6	2,447,819	2,316,046
without defense capital goods	369,472	359,522	353,054	+2.8	+1.8	-0.7	363,210	355,584	365,349	330,127	+10.0	4,200,201	3,960,507
Durable goods industries	216,092	204,799	202,442	+5.5	+1.2	-0.9	218,244	200,811	210,891	196,922	+10.8	2,423,320	2,259,693
With unfilled orders	179,970	169,151	167,359	+6.4	+1.1	-0.5	186,054	165,772	172,965	166,558	+11.7	1,994,904	1,868,929
Stone, clay, and glass products	8,965	9,133	8,999	-1.8	+1.5	+0.5	8,068	8,995	9,496	7,405	+9.0	104,016	96,088
Primary metals	15,359	15,540	15,440	-1.2	+0.6	-0.1	14,862	15,172	15,049	13,768	+7.9	180,743	175,482
Blast furnaces, steel mills	5,857	6,315	6,027	-7.3	+4.8	+1.6	5,760	6,150	5,796	5,268	+9.3	70,336	69,444
Iron and steel foundries	1,628	1,362	1,455	+19.5	-6.4	+0.7	1,470	1,290	1,534	1,293	+13.7	17,646	17,971
Nonferrous and other primary metals	7,874	7,863	7,958	+0.1	-1.2	-1.6	7,632	7,732	7,719	7,207	+5.9	92,761	88,067
Fabricated metal products	20,895	20,619	20,060	+1.3	+2.8	-0.5	19,493	20,280	20,860	19,079	+2.2	244,922	238,751
Industrial machinery and equipment	38,086	39,347	39,666	-3.2	-0.8	+1.5	40,907	37,631	39,045	40,982	-0.2	461,408	443,332
Engines and turbines	2,655	2,784	2,789	-4.6	-0.2	-26.5	3,236	2,903	3,055	4,202	-23.0	36,353	33,353
Construction, mining and material handling equipment	3,667	3,965	3,572	-7.5	+11.0	-0.4	3,652	3,707	3,545	4,072	-10.3	45,024	49,705
Metalworking machinery	3,577	3,534	3,914	+1.2	-9.7	-1.2	3,785	4,008	4,408	3,361	+12.6	44,326	41,322
Computer and office equipment	11,560	11,981	12,754	-3.5	-6.1	+15.8	14,557	11,211	11,332	14,761	-1.4	139,442	130,184
Electronic and other electrical equipment	41,722	39,352	35,884	+6.0	+9.7	-7.4	43,612	38,015	40,323	34,946	+24.8	439,002	380,470
Electrical transmission and distribution equipment and industrial apparatus	3,997	3,971	3,896	+0.7	+1.9	-0.2	3,943	3,712	3,835	3,740	+5.4	46,675	43,815
Electric lighting and wiring equipment	2,730	2,461	2,571	+10.9	-4.3	+14.7	3,020	2,560	2,514	2,725	+10.8	29,439	27,184
Communications equipment	11,255	9,747	10,839	+15.5	-10.1	+5.6	14,871	9,951	10,991	10,472	+42.0	110,200	88,924
Electronic components	17,973	17,627	12,971	+2.0	+35.9	-22.8	16,227	15,852	16,682	12,526	+29.5	185,037	156,594
Transportation equipment	53,857	44,899	46,800	+20.0	-4.1	+0.4	53,798	45,416	49,951	46,056	+16.8	565,917	524,963
Aircraft, missiles, space vehicles, and parts	13,713	8,629	10,408	+58.9	-17.1	+9.8	17,577	8,592	9,935	11,637	+51.0	126,728	124,111
Shipbuilding and tanks	2,442	1,049	1,002	132.8	+4.7	+27.6	2,562	1,044	948	2,420	+5.9	12,410	13,181
Instruments and related products	15,900	14,816	14,362	+7.3	+3.2	-0.5	17,759	14,690	14,045	15,629	+13.6	173,924	166,008
Search and navigation equipment	3,516	2,846	2,931	+23.5	-2.9	+1.7	4,514	2,785	2,623	3,857	+17.0	36,867	34,191
Measuring and controlling devices	4,771	4,429	4,149	+7.7	+6.7	-4.3	5,077	4,474	4,089	4,318	+17.6	50,824	48,090
Medical instruments and supplies	5,124	4,998	4,837	+2.5	+3.3	+0.3	5,584	4,733	4,813	5,067	+10.2	58,083	55,377
All other durable goods	21,308	21,093	21,231	+1.0	-0.6	+1.5	19,745	20,612	22,122	19,057	+3.6	253,438	234,599
Nondurable goods industries	161,669	160,813	158,283	+0.5	+1.6	+1.1	156,314	161,122	162,496	143,543	+8.9	1,853,890	1,773,983
With unfilled orders	38,697	38,741	38,116	-0.1	+1.6	+1.8	38,043	39,658	38,726	36,109	+5.4	452,915	447,117

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98
All manufacturing industries	537,012	526,604	525,963	+2.0	+0.1	+0.1	531,171	522,083	524,929	512,986	+3.5
Manufacturing industries without defense capital goods	443,697	435,160	433,453	+2.0	+0.4	-0.1	437,707	432,580	434,042	417,273	+4.9
Durable goods industries	511,188	500,848	500,479	+2.1	+0.1	0.0	506,184	496,913	499,979	490,040	+3.3
Stone, clay, and glass products	6,302	6,313	6,183	-0.2	+2.1	+2.1	6,228	6,203	6,101	6,071	+2.6
Primary metals	32,016	32,329	32,363	-1.0	-0.1	+0.8	31,203	30,709	30,704	28,847	+8.2
Blast furnaces, steel mills	13,100	13,282	13,026	-1.4	+2.0	+1.0	12,659	12,432	12,099	11,035	+14.7
Iron and steel foundries	4,768	4,715	4,863	+1.1	-3.0	-0.3	4,674	4,552	4,718	5,352	-12.7
Nonferrous and other primary metals	14,148	14,332	14,474	-1.3	-1.0	+0.9	13,870	13,725	13,887	12,460	+11.3
Fabricated metal products	25,046	24,709	24,803	+1.4	-0.4	-0.9	24,577	24,213	24,587	25,434	-3.4
Industrial machinery and equipment	80,928	81,280	81,008	-0.4	+0.3	+0.2	80,922	81,827	80,953	74,441	+8.7
Engines and turbines	24,175	24,142	24,035	+0.1	+0.4	+0.7	24,783	24,823	24,584	18,725	+32.4
Construction, mining and material handling equipment	8,798	8,868	8,593	-0.8	+3.2	-1.4	8,614	8,560	8,245	9,633	-10.6
Metalworking machinery	6,454	6,756	7,054	-4.5	-4.2	-1.1	6,454	6,756	7,054	6,446	+0.1
Computer and office equipment	8,871	8,191	8,246	+8.3	-0.7	-1.6	8,733	8,336	8,312	7,941	+10.0
Electronic and other electrical equipment	85,936	80,223	76,476	+7.1	+4.9	+1.4	83,668	80,809	79,706	57,806	+44.7
Electrical transmission and distribution equipment and industrial apparatus	7,085	7,026	6,931	+0.8	+1.4	+2.1	6,920	6,925	6,918	6,181	+12.0
Electric lighting and wiring equipment	5,067	4,995	5,090	+1.4	-1.9	+1.6	5,067	4,995	5,090	5,022	+0.9
Communications equipment	25,150	22,614	21,454	+11.2	+5.4	+12.0	25,874	23,176	21,749	17,057	+51.7
Electronic components	42,846	39,926	37,284	+7.3	+7.1	-4.1	40,309	40,236	40,178	23,655	+70.4
Transportation equipment	225,843	221,936	225,363	+1.8	-1.5	-0.4	224,933	219,708	223,753	242,584	-7.3
Aircraft, missiles, space vehicles, and parts	189,804	187,850	190,698	+1.0	-1.5	-0.6	189,116	185,932	189,294	204,008	-7.3
Shipbuilding and tanks	19,708	18,291	18,245	+7.7	+0.3	+0.2	19,606	18,298	18,276	19,322	+1.5
Instruments and related products	46,629	45,681	45,857	+2.1	-0.4	-1.0	46,724	45,074	45,494	47,185	-1.0
Search and navigation equipment	25,479	25,088	25,341	+1.6	-1.0	-0.9	25,592	24,503	24,827	26,428	-3.2
Measuring and controlling devices	10,111	9,875	9,917	+2.4	-0.4	-2.6	10,111	9,875	9,917	10,185	-0.7
Medical instruments and supplies	10,112	9,796	9,692	+3.2	+1.1	-0.1	10,112	9,821	9,865	9,586	+5.5
All other durable goods	8,488	8,377	8,426	+1.3	-0.6	+1.1	7,929	8,370	8,681	7,672	+3.3
Nondurable goods industries	25,824	25,756	25,484	+0.3	+1.1	+1.5	24,987	25,170	24,950	22,946	+8.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct 1999	Dec. 1998	Dec. 99/98
All manufacturing industries	470,951	469,836	467,522	+0.2	+0.5	+0.4	460,856	470,921	468,752	456,330	+1.0
Manufacturing industries											
with unfilled orders	311,052	310,756	309,267	+0.1	+0.5	+0.1	302,157	310,748	309,363	303,508	-0.4
without defense capital goods	451,772	451,296	449,078	+0.1	+0.5	+0.5	442,196	452,528	450,164	437,311	+1.1
Durable goods industries	295,323	294,970	293,448	+0.1	+0.5	+0.2	287,557	295,759	293,439	287,415	0.0
With unfilled orders	270,056	269,892	268,575	+0.1	+0.5	+0.1	262,485	270,449	268,868	263,500	-0.4
Stone, clay, and glass products	9,899	9,824	9,854	+0.8	-0.3	+1.3	9,708	9,515	9,512	9,103	+6.6
Primary metals	24,231	24,091	23,884	+0.6	+0.9	+1.0	24,436	24,078	23,819	24,797	-1.5
Blast furnaces, steel mills	11,505	11,414	11,325	+0.8	+0.8	+0.7	11,798	11,528	11,384	12,319	-4.2
Iron and steel foundries	1,618	1,620	1,578	-0.1	+2.7	+0.1	1,581	1,574	1,533	1,541	+2.6
Nonferrous and other primary metals	11,108	11,057	10,981	+0.5	+0.7	+1.4	11,057	10,976	10,902	10,937	+1.1
Fabricated metal products	31,536	31,378	31,359	+0.5	+0.1	+0.6	30,990	31,084	31,094	30,278	+2.4
Industrial machinery and equipment	60,791	60,495	59,936	+0.5	+0.9	-0.3	58,676	61,012	59,757	58,415	+0.4
Engines and turbines	4,705	4,649	4,565	+1.2	+1.8	+2.7	4,318	4,861	4,674	3,583	+20.5
Farm and garden machinery	3,851	3,715	3,670	+3.7	+1.2	+1.5	4,089	3,786	3,479	4,062	+0.7
Construction, mining and material handling equipment	8,973	8,917	8,868	+0.6	+0.6	+0.2	8,779	8,906	8,769	8,826	-0.5
Metalworking machinery	8,005	8,023	8,119	-0.2	-1.2	+0.2	7,502	7,903	8,217	7,443	+0.8
Computer and office equipment	9,116	8,888	8,623	+2.6	+3.1	-6.1	8,403	9,050	8,578	8,343	+0.7
Electronic and other electrical equipment	43,694	42,665	42,091	+2.4	+1.4	+1.4	42,074	42,613	42,241	38,377	+9.6
Electrical transmission and distribution equipment and industrial apparatus	5,423	5,371	5,325	+1.0	+0.9	+0.6	5,360	5,447	5,349	5,421	-1.1
Household appliances	2,502	2,436	2,412	+2.7	+1.0	+0.8	2,260	2,362	2,359	2,163	+4.5
Electric lighting and wiring equipment	3,766	3,752	3,763	+0.4	-0.3	+1.9	3,566	3,796	3,843	3,274	+8.9
Household audio and video equipment	1,151	1,123	1,081	+2.5	+3.9	+1.4	1,081	1,111	1,107	952	+13.6
Communications equipment	12,212	11,668	11,168	+4.7	+4.5	+2.3	11,632	11,743	11,222	9,420	+23.5
Electronic components	14,930	14,634	14,691	+2.0	-0.4	+0.9	14,627	14,564	14,723	13,674	+7.0
Transportation equipment	68,912	70,417	70,411	-2.1	0.0	-0.5	66,659	71,334	70,908	73,157	-8.9
Motor vehicles and parts	18,061	17,916	17,638	+0.8	+1.6	+1.3	17,566	18,045	17,559	16,893	+4.0
Aircraft, missiles, space vehicles, and parts	45,006	46,143	46,499	-2.5	-0.8	-1.6	43,406	46,990	47,129	50,776	-14.5
Shipbuilding and tanks	2,326	2,277	2,232	+2.2	+2.0	+0.9	2,297	2,228	2,169	1,920	+19.6
Instruments and related products	27,107	27,062	27,058	+0.2	0.0	-0.1	26,234	27,141	27,197	25,683	+2.1
Search and navigation equipment	6,924	6,989	6,984	-0.9	+0.1	+0.2	6,687	6,950	6,960	6,391	+4.6
Measuring and controlling devices	8,188	8,166	8,195	+0.3	-0.4	-0.4	7,976	8,160	8,183	7,855	+1.5
Medical instruments and supplies	8,930	8,834	8,779	+1.1	+0.6	-0.4	8,699	8,939	8,870	8,244	+5.5
Photographic goods	2,347	2,346	2,359	0.0	-0.6	+1.2	2,162	2,361	2,442	2,454	-11.9
All other durable goods	29,153	29,038	28,855	+0.4	+0.6	+0.1	28,780	28,982	28,911	27,605	+4.3
Nondurable goods industries	175,628	174,866	174,074	+0.4	+0.5	+0.8	173,299	175,162	175,313	168,915	+2.6
With unfilled orders	40,996	40,864	40,692	+0.3	+0.4	+0.2	39,672	40,299	40,495	40,008	-0.8
Food and kindred products	39,060	38,797	38,769	+0.7	+0.1	+1.7	39,294	40,353	40,938	37,488	+4.8
Meat products	4,492	4,481	4,484	+0.2	-0.1	+2.4	4,227	4,442	4,487	3,837	+10.2
Dairy products	3,869	3,879	3,937	-0.3	-1.5	+1.2	3,632	3,747	3,943	3,527	+3.0
Beverages	8,976	8,696	8,654	+3.2	+0.5	+0.6	8,889	8,826	8,875	8,270	+7.5
All other foods, except fats and oils	20,116	20,104	20,003	+0.1	+0.5	+1.8	20,902	21,580	21,821	19,943	+4.8
Tobacco products	5,078	5,075	5,164	+0.1	-1.7	-0.3	5,493	5,304	5,366	6,297	-12.8
Textile mill products	10,154	10,101	10,071	+0.5	+0.3	-0.4	9,741	9,863	9,900	9,756	-0.2
Broadwoven fabrics and other textiles	6,155	6,113	6,090	+0.7	+0.4	-0.4	5,967	6,031	5,992	6,134	-2.7
Paper and allied products	16,059	16,137	16,125	-0.5	+0.1	0.0	15,949	15,958	15,889	16,254	-1.9
Pulp, paper, and paperboard mill products	6,333	6,268	6,299	+1.0	-0.5	-0.4	6,299	6,206	6,214	6,680	-5.7
Paperboard containers and boxes	4,153	4,235	4,243	-1.9	-0.2	+1.5	4,164	4,169	4,164	4,070	+2.3
Miscellaneous converted paper products	5,573	5,634	5,583	-1.1	+0.9	-0.8	5,486	5,583	5,511	5,504	-0.3
Chemicals and allied products	47,697	47,421	46,903	+0.6	+1.1	+0.8	47,169	47,148	46,352	45,696	+3.2
Industrial chemicals	19,587	19,515	19,261	+0.4	+1.3	+0.4	19,760	19,336	18,977	19,910	-0.8
Drugs, soaps, and toiletries	22,138	21,961	21,754	+0.8	+1.0	+1.1	21,432	21,975	21,707	20,000	+7.2
Petroleum and coal products	12,187	12,174	12,052	+0.1	+1.0	+1.4	11,714	12,399	12,284	9,863	+18.8
Rubber and plastics products	17,830	17,769	17,714	+0.3	+0.3	+1.3	17,708	17,532	17,389	16,597	+6.7
All other nondurable goods	27,563	27,392	27,276	+0.6	+0.4	0.0	26,231	26,605	27,195	26,964	-2.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98	1999[p]	1998
SHIPMENTS													
All manufacturing industries	367,353	364,971	360,201	+0.7	+1.3	+0.4	365,470	364,779	369,691	342,295	+6.8	4,259,076	4,052,248
Market categories :													
Automotive equipment	16,786	16,403	16,092	+2.3	+1.9	-3.0	14,886	16,753	17,940	13,775	+8.1	195,451	174,876
Home goods and apparel	20,397	20,223	20,070	+0.9	+0.8	+1.8	18,324	20,887	21,987	17,296	+5.9	239,497	226,968
Consumer staples	77,320	77,015	76,119	+0.4	+1.2	+0.7	77,237	77,970	78,185	71,044	+8.7	887,435	830,771
Machinery and equipment	69,516	68,160	68,807	+2.0	-0.9	+1.3	77,479	66,393	68,189	74,549	+3.9	816,768	776,424
Business supplies	27,552	27,521	26,995	+0.1	+1.9	+0.4	27,276	28,082	27,723	25,402	+7.4	319,309	305,988
Construction materials and supplies	23,795	23,637	23,253	+0.7	+1.7	-0.5	22,065	23,100	24,243	20,657	+6.8	277,271	260,244
Defense products	6,660	7,468	6,822	-10.8	+9.5	+1.5	7,470	7,980	6,741	7,720	-3.2	82,077	83,246
Other materials, supplies and and intermediate products	125,327	124,544	122,043	+0.6	+2.0	+0.1	120,733	123,614	124,683	111,852	+7.9	1,441,268	1,393,731
Durable goods industries :													
Nondefense capital goods [3]	56,386	55,238	56,295	+2.1	-1.9	+2.6	66,365	53,289	53,981	63,431	+4.6	659,952	624,534
Excluding aircraft and parts	48,045	47,911	48,329	+0.3	-0.9	+2.0	55,993	46,014	46,414	52,789	+6.1	561,196	528,855
Defense capital goods [4]	6,418	7,156	6,569	-10.3	+8.9	+1.8	7,387	7,733	6,531	7,586	-2.6	79,258	79,672
Durables excluding capital goods	142,948	142,036	139,442	+0.6	+1.9	-0.8	135,221	142,855	146,349	127,263	+6.3	1,668,017	1,571,781
Miscellaneous series :													
Producers' durable equipment	133,709	131,947	131,711	+1.3	+0.2	+0.6	137,599	130,972	134,668	131,736	+4.5	1,569,789	1,476,942
Household durable goods	10,786	10,776	10,521	+0.1	+2.4	+2.4	10,469	11,262	11,143	9,585	+9.2	125,182	112,406
Information technology industries	27,027	28,050	28,704	-3.6	-2.3	+5.7	34,190	27,344	26,684	32,469	+5.3	324,492	298,064
Health care equipment and products	13,332	13,432	13,340	-0.7	+0.7	-0.2	14,255	13,185	13,172	13,884	+2.7	156,995	144,158
NEW ORDERS													
All manufacturing industries	377,761	365,612	360,725	+3.3	+1.4	0.0	374,558	361,933	373,387	340,465	+10.0	4,277,210	4,033,676
Market categories :													
Automotive equipment	16,792	16,337	16,136	+2.8	+1.2	-2.6	14,922	16,634	17,994	13,832	+7.9	195,481	174,795
Home goods and apparel	20,372	20,261	20,281	+0.5	-0.1	+2.2	17,904	20,647	22,171	17,016	+5.2	239,831	226,721
Consumer staples	77,427	77,112	76,217	+0.4	+1.2	+0.9	77,333	78,004	78,104	71,046	+8.8	888,266	830,983
Machinery and equipment	74,513	67,545	68,364	+10.3	-1.2	-1.5	81,848	65,887	67,984	71,377	+14.7	814,621	774,254
Business supplies	27,592	27,585	27,064	0.0	+1.9	+1.1	27,212	28,097	27,580	25,205	+8.0	319,941	306,077
Construction materials and supplies	23,760	23,577	23,350	+0.8	+1.0	+1.4	22,064	22,942	24,164	20,732	+6.4	277,326	259,859
Defense products	8,368	6,449	7,992	+29.8	-19.3	+35.5	11,160	6,779	8,383	10,338	+8.0	80,062	76,617
Other materials, supplies and and intermediate products	128,937	126,746	121,321	+1.7	+4.5	-2.0	122,115	122,943	127,007	110,919	+10.1	1,461,682	1,384,370
Durable goods industries :													
Nondefense capital goods [3]	61,531	54,385	56,291	+13.1	-3.4	+0.4	70,943	52,843	54,441	60,728	+16.8	658,624	620,400
Excluding aircraft and parts	51,229	48,658	48,891	+5.3	-0.5	-0.2	58,610	47,168	47,440	53,903	+8.7	570,097	532,260
Defense capital goods [4]	8,289	6,090	7,671	+36.1	-20.6	+39.9	11,348	6,349	8,038	10,338	+9.8	77,009	73,169
Durables excluding capital goods	146,272	144,324	138,480	+1.3	+4.2	-3.0	135,953	141,619	148,412	125,856	+8.0	1,687,687	1,566,124
Miscellaneous series :													
Producers' durable equipment	138,424	131,177	130,626	+5.5	+0.4	-1.5	141,323	129,673	134,171	127,794	+10.6	1,565,601	1,473,332
Household durable goods	10,891	10,761	10,746	+1.2	+0.1	+4.1	10,250	10,974	11,512	9,336	+9.8	125,489	111,784
Information technology industries	30,742	28,575	28,739	+7.6	-0.6	+3.0	37,646	27,929	26,722	32,296	+16.6	330,620	299,210
Health care equipment and products	13,650	13,535	13,335	+0.8	+1.5	+0.9	14,546	13,140	13,410	13,621	+6.8	157,523	145,319

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98
UNFILLED ORDERS											
All manufacturing industries	537,012	526,604	525,963	+2.0	+0.1	+0.1	531,171	522,083	524,929	512,986	+3.5
Market categories :											
Automotive equipment	2,488	2,482	2,549	+0.2	-2.6	+1.8	2,435	2,399	2,517	2,405	+1.2
Home goods and apparel	9,312	9,338	9,300	-0.3	+0.4	+2.3	8,646	9,066	9,306	8,311	+4.0
Consumer staples	3,161	3,055	2,958	+3.5	+3.3	+3.4	3,093	2,998	2,964	2,262	+36.7
Machinery and equipment	239,415	234,417	235,032	+2.1	-0.3	-0.2	238,432	234,063	234,569	240,571	-0.9
Business supplies	7,420	7,381	7,317	+0.5	+0.9	+1.0	7,150	7,215	7,200	6,521	+9.6
Construction materials and supplies	17,573	17,608	17,668	-0.2	-0.3	+0.5	17,294	17,295	17,453	17,241	+0.3
Defense products	88,599	86,892	87,911	+2.0	-1.2	+1.4	88,900	85,210	86,411	90,916	-2.2
Other materials, supplies and and intermediate products	169,044	165,431	163,228	+2.2	+1.3	-0.4	165,221	163,837	164,509	144,759	+14.1
Durable goods industries :											
Nondefense capital goods [3]	256,118	250,973	251,826	+2.1	-0.3	0.0	255,762	251,184	251,630	257,082	-0.5
Excluding aircraft and parts	115,842	112,658	111,911	+2.8	+0.7	+0.5	115,486	112,869	111,715	106,577	+8.4
Defense capital goods [4]	93,315	91,444	92,510	+2.0	-1.2	+1.2	93,464	89,503	90,887	95,713	-2.3
Durables excluding capital goods	161,755	158,431	156,143	+2.1	+1.5	-0.6	156,958	156,226	157,462	137,245	+14.4
Miscellaneous series :											
Producers' durable equipment	277,126	272,411	273,181	+1.7	-0.3	-0.4	275,367	271,643	272,942	279,504	-1.5
Household durable goods	5,871	5,766	5,781	+1.8	-0.3	+4.0	5,468	5,687	5,975	5,161	+5.9
Information technology industries	45,389	41,674	41,149	+8.9	+1.3	+0.1	45,244	41,788	41,203	39,116	+15.7
Health care equipment and products	10,154	9,836	9,733	+3.2	+1.1	-0.1	10,153	9,862	9,907	9,625	+5.5
TOTAL INVENTORIES											
All manufacturing industries	470,951	469,836	467,522	+0.2	+0.5	+0.4	460,856	470,921	468,752	456,330	+1.0
Market categories :											
Automotive equipment	8,909	8,944	8,903	-0.4	+0.5	+1.9	8,493	8,950	8,837	8,265	+2.8
Home goods and apparel	31,772	31,665	31,539	+0.3	+0.4	-0.2	30,422	30,618	31,132	30,811	-1.3
Consumer staples	76,509	76,051	75,785	+0.6	+0.4	+1.2	75,941	77,703	77,973	72,343	+5.0
Machinery and equipment	115,660	117,040	116,218	-1.2	+0.7	+0.1	111,047	118,512	116,538	113,597	-2.2
Business supplies	28,556	28,514	28,352	+0.1	+0.6	-0.1	27,637	28,441	28,485	27,239	+1.5
Construction materials and supplies	30,590	30,290	30,109	+1.0	+0.6	+1.2	30,026	30,016	29,885	28,125	+6.8
Defense products	18,677	18,159	18,116	+2.9	+0.2	-1.9	18,221	18,012	18,246	18,604	-2.1
Other materials, supplies and and intermediate products	160,278	159,173	158,500	+0.7	+0.4	+0.5	159,069	158,669	157,656	157,346	+1.1
Durable goods industries :											
Nondefense capital goods [3]	106,518	108,074	107,299	-1.4	+0.7	-0.2	102,097	109,521	107,775	106,039	-3.7
Excluding aircraft and parts	74,096	73,894	72,693	+0.3	+1.7	+0.3	70,856	74,403	72,720	67,978	+4.2
Defense capital goods [4]	19,179	18,540	18,444	+3.4	+0.5	-2.2	18,660	18,393	18,588	19,019	-1.9
Durables excluding capital goods	169,626	168,356	167,705	+0.8	+0.4	+0.7	166,800	167,845	167,076	162,357	+2.7
Miscellaneous series :											
Producers' durable equipment	190,518	191,490	190,226	-0.5	+0.7	+0.2	184,231	192,643	190,293	184,320	0.0
Household durable goods	16,622	16,501	16,359	+0.7	+0.9	+0.4	15,923	16,220	16,284	15,683	+1.5
Information technology industries	34,755	33,984	33,243	+2.3	+2.2	+0.8	32,911	34,176	33,286	30,317	+8.6
Health care equipment and products	20,915	20,724	20,559	+0.9	+0.8	+0.4	20,307	20,836	20,623	19,082	+6.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Dec. 1998	Dec. 99/98
MATERIALS AND SUPPLIES											
All manufacturing industries	158,149	156,215	154,064	+1.2	+1.4	-0.1	158,106	156,048	154,549	153,675	+2.9
Durable goods industries	95,908	94,477	92,872	+1.5	+1.7	-0.1	95,632	94,885	93,306	91,318	+4.7
Stone, clay, and glass products	3,302	3,262	3,276	+1.2	-0.4	+0.2	3,328	3,262	3,277	3,164	+5.2
Primary metals	7,791	7,550	7,441	+3.2	+1.5	+0.2	8,144	7,711	7,621	8,152	-0.1
Fabricated metal products	10,808	10,675	10,664	+1.2	+0.1	-0.2	10,939	10,627	10,653	10,531	+3.9
Industrial machinery and equipment	20,998	20,633	19,879	+1.8	+3.8	-1.3	20,498	20,729	19,792	19,267	+6.4
Electronic and other electrical equipment	17,512	16,979	16,372	+3.1	+3.7	+1.0	17,228	17,005	16,469	15,239	+13.1
Transportation equipment	15,073	15,191	15,244	-0.8	-0.3	-0.1	14,941	15,110	15,129	14,954	-0.1
Instruments and related products	9,388	9,208	9,171	+2.0	+0.4	+0.5	9,210	9,108	9,181	8,855	+4.0
Lumber, furniture and miscellaneous durable goods	11,036	10,979	10,825	+0.5	+1.4	-0.5	11,344	11,333	11,184	11,156	+1.7
Nondurable goods industries	62,241	61,738	61,192	+0.8	+0.9	+0.1	62,474	61,163	61,243	62,357	+0.2
Food and kindred products	11,608	11,408	11,257	+1.8	+1.3	-1.0	11,697	11,429	11,544	11,340	+3.1
Tobacco products	4,502	4,505	4,602	-0.1	-2.1	+0.3	4,844	4,513	4,680	5,408	-10.4
Textile mill products	2,901	2,921	2,915	-0.7	+0.2	+0.1	2,854	2,825	2,833	2,854	0.0
Paper and allied products	7,736	7,782	7,757	-0.6	+0.3	-0.6	7,802	7,746	7,725	7,994	-2.4
Chemicals and allied products	15,790	15,517	15,339	+1.8	+1.2	+0.7	15,705	15,314	15,220	15,612	+0.6
Petroleum and coal products	3,510	3,643	3,553	-3.7	+2.5	+2.8	3,435	3,675	3,587	3,050	+12.6
Rubber and plastics products	7,231	7,177	7,094	+0.8	+1.2	-0.2	7,320	7,122	7,042	6,930	+5.6
Apparel, printing and publishing and leather goods	8,963	8,785	8,675	+2.0	+1.3	-0.1	8,817	8,539	8,612	9,169	-3.8
WORK IN PROCESS											
All manufacturing industries	144,465	146,225	146,218	-1.2	0.0	+0.4	139,932	148,138	147,837	145,967	-4.1
Durable goods industries	113,702	115,411	115,659	-1.5	-0.2	+0.2	109,889	116,630	116,330	117,283	-6.3
Stone, clay, and glass products	1,565	1,574	1,576	-0.6	-0.1	+2.9	1,466	1,471	1,503	1,290	+13.6
Primary metals	8,242	8,289	8,208	-0.6	+1.0	+1.4	8,162	8,206	8,136	8,450	-3.4
Fabricated metal products	9,009	9,032	9,102	-0.3	-0.8	+0.7	8,834	9,099	9,180	8,919	-1.0
Industrial machinery and equipment	21,264	21,323	21,572	-0.3	-1.2	+1.1	20,293	21,600	21,714	21,506	-5.6
Electronic and other electrical equipment	14,179	14,001	14,054	+1.3	-0.4	+0.5	13,547	13,927	14,041	13,140	+3.1
Transportation equipment	43,856	45,285	45,333	-3.2	-0.1	-0.6	42,567	46,354	45,997	49,251	-13.6
Instruments and related products	9,795	10,107	10,147	-3.1	-0.4	-0.1	9,384	10,219	10,106	9,587	-2.1
Lumber, furniture and miscellaneous durable goods	5,792	5,800	5,667	-0.1	+2.3	+0.7	5,636	5,754	5,653	5,140	+9.6
Nondurable goods industries	30,763	30,814	30,559	-0.2	+0.8	+1.2	30,043	31,508	31,507	28,684	+4.7
Food and kindred products	6,299	6,295	6,257	+0.1	+0.6	+2.3	6,700	6,957	7,008	6,246	+7.3
Tobacco products	124	121	106	+2.5	+14.2	+21.8	127	148	122	88	+44.3
Textile mill products	2,461	2,462	2,457	0.0	+0.2	+0.4	2,383	2,463	2,471	2,500	-4.7
Paper and allied products	1,717	1,776	1,735	-3.3	+2.4	+1.4	1,722	1,712	1,645	1,661	+3.7
Chemicals and allied products	8,878	8,894	8,967	-0.2	-0.8	+0.5	8,593	8,898	8,970	8,380	+2.5
Petroleum and coal products	3,158	3,139	2,892	+0.6	+8.5	-0.3	2,973	3,194	2,966	2,199	+35.2
Rubber and plastics products	2,229	2,234	2,259	-0.2	-1.1	-1.0	2,185	2,261	2,277	2,195	-0.5
Apparel, printing and publishing and leather goods	5,897	5,893	5,886	+0.1	+0.1	+2.7	5,360	5,875	6,048	5,415	-1.0
FINISHED GOODS											
All manufacturing industries	168,337	167,396	167,240	+0.6	+0.1	+0.8	162,818	166,735	166,366	156,688	+3.9
Durable goods industries	85,713	85,082	84,917	+0.7	+0.2	+0.5	82,036	84,244	83,803	78,814	+4.1
Stone, clay, and glass products	5,032	4,988	5,002	+0.9	-0.3	+1.6	4,914	4,782	4,732	4,649	+5.7
Primary metals	8,198	8,252	8,235	-0.7	+0.2	+1.3	8,130	8,161	8,062	8,195	-0.8
Fabricated metal products	11,719	11,671	11,593	+0.4	+0.7	+1.2	11,217	11,358	11,261	10,828	+3.6
Industrial machinery and equipment	18,529	18,539	18,485	-0.1	+0.3	-1.0	17,885	18,683	18,251	17,642	+1.4
Electronic and other electrical equipment	12,003	11,685	11,665	+2.7	+0.2	+3.0	11,299	11,681	11,731	9,998	+13.0
Transportation equipment	9,983	9,941	9,834	+0.4	+1.1	-0.4	9,151	9,870	9,782	8,952	+2.2
Instruments and related products	7,924	7,747	7,740	+2.3	+0.1	-0.9	7,640	7,814	7,910	7,241	+5.5
Lumber, furniture and miscellaneous durable goods	12,325	12,259	12,363	+0.5	-0.8	+0.3	11,800	11,895	12,074	11,309	+4.3
Nondurable goods industries	82,624	82,314	82,323	+0.4	0.0	+1.1	80,782	82,491	82,563	77,874	+3.7
Food and kindred products	21,153	21,094	21,255	+0.3	-0.8	+2.9	20,897	21,967	22,386	19,902	+5.0
Tobacco products	452	449	456	+0.7	-1.5	-9.2	522	643	564	801	-34.8
Textile mill products	4,792	4,718	4,699	+1.6	+0.4	-1.1	4,504	4,575	4,596	4,402	+2.3
Paper and allied products	6,606	6,579	6,633	+0.4	-0.8	+0.2	6,425	6,500	6,519	6,599	-2.6
Chemicals and allied products	23,029	23,010	22,597	+0.1	+1.8	+0.9	22,871	22,936	22,162	21,704	+5.4
Petroleum and coal products	5,519	5,392	5,607	+2.4	-3.8	+1.4	5,306	5,530	5,731	4,614	+15.0
Rubber and plastics products	8,370	8,358	8,361	+0.1	0.0	+3.2	8,203	8,149	8,070	7,472	+9.8
Apparel, printing and publishing and leather goods	12,703	12,714	12,715	-0.1	0.0	-1.1	12,054	12,191	12,535	12,380	-2.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Sept. 1999	Dec. 1999[p]	Nov. 1999[r]	Oct. 1999	Sept. 1999
All manufacturing industries	1.28	1.29	1.30	1.30	2.58	2.54	2.57	2.58
Durable goods industries	1.44	1.44	1.45	1.45	3.01	2.97	2.99	3.02
Stone, clay, and glass products	1.10	1.09	1.11	1.10	0.73	0.73	0.73	0.71
Primary metals	1.55	1.55	1.57	1.55	2.04	2.08	2.13	2.10
Fabricated metal products	1.53	1.51	1.55	1.53	1.29	1.27	1.30	1.30
Industrial machinery and equipment	1.58	1.55	1.52	1.59	2.21	2.18	2.14	2.24
Electronic and other electrical equipment	1.21	1.20	1.21	1.18	2.39	2.25	2.19	2.14
Transportation equipment	1.38	1.46	1.48	1.46	8.33	8.58	8.78	8.77
Instruments and related products	1.81	1.81	1.82	1.83	3.12	3.05	3.09	3.13
Nondurable goods industries	1.09	1.09	1.10	1.10	0.67	0.67	0.68	0.67
Food and kindred products	0.92	0.92	0.92	0.91	(X)	(X)	(X)	(X)
Tobacco products	1.16	1.13	1.15	1.21	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.54	1.52	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.12	1.13	1.17	1.17	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.32	1.32	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.71	0.73	0.77	0.76	(X)	(X)	(X)	(X)
Rubber and plastics products	1.23	1.24	1.28	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals, petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1999	Dec.[2] 1994-1998	Dec. 1998-Nov. 1999	Dec.[1] 1999	Dec.[2] 1994-1998	Dec. 1998-Nov. 1999	Dec.[1] 1999	Dec.[2] 1994-1998	Dec 1998-Nov. 1999	Dec[1] 1999	Dec.[2] 1994-1998	Dec. 1998-Nov. 1999
All manufacturing industries	(X)	0.2	0.1	(X)	0.3	0.2	(X)	0.1	0.1	(X)	0.1	0.0
urable goods industries	-0.1	0.2	0.1	1.4	0.4	0.3	0.6	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.3	0.3	(X)	1.1	0.4	(X)	0.8	0.4	(X)	0.2	0.2
Primary metals	0.0	0.5	0.2	0.3	1.1	0.9	0.1	0.3	0.4	(X)	0.2	0.1
Fabricated metal products	(X)	0.6	0.2	(X)	0.6	0.4	(X)	0.4	0.3	(X)	0.2	0.1
Industrial machinery and equipment	0.0	0.4	0.4	1.0	0.4	0.3	0.7	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.3	0.5	0.4	1.4	1.1	1.5	0.5	0.4	0.7	(X)	0.3	0.2
Transportation equipment	0.7	0.5	0.5	3.8	1.6	0.8	0.6	0.3	0.1	(X)	0.6	0.1
Instruments and related products	(X)	0.4	0.5	(X)	1.1	0.9	(X)	0.2	0.3	(X)	0.2	0.1
ondurable goods industries	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.2	0.2	(X)	0.0	0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.8	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.1
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.4
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
apital goods industries :												
Nondefense	0.6	0.2	0.2	4.5	0.8	0.5	0.9	0.2	0.1	(X)	0.5	0.1
Defense	1.0	1.2	0.8	11.6	10.0	3.9	0.8	0.5	0.2	(X)	0.6	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

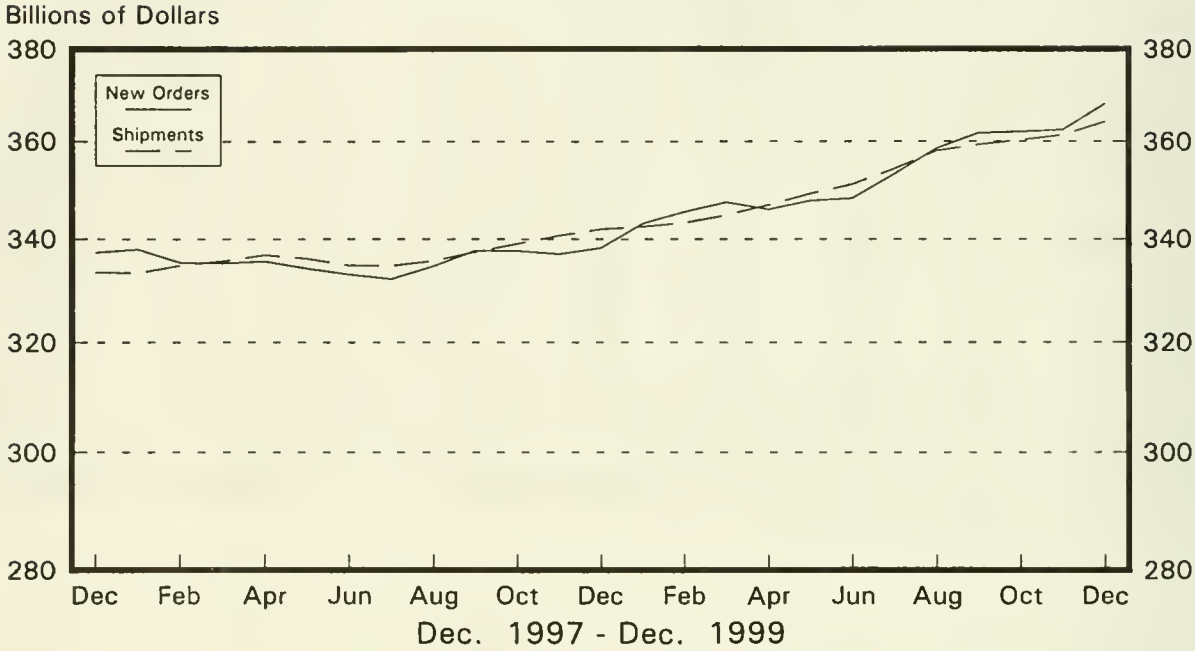
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

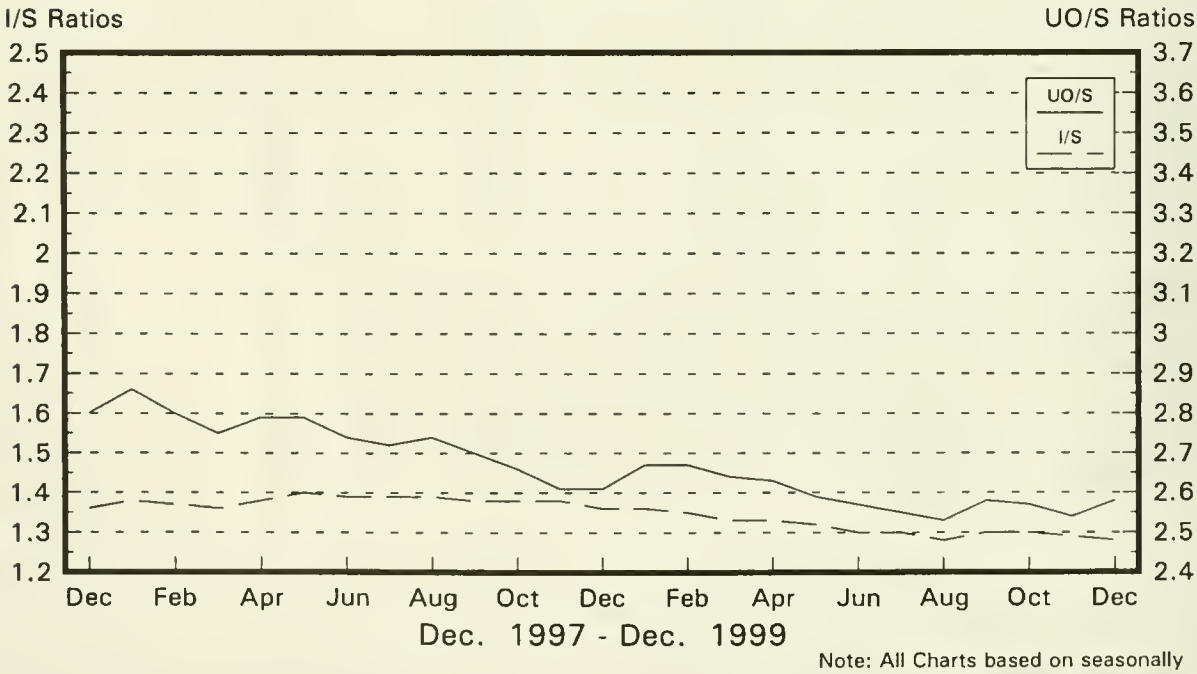
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

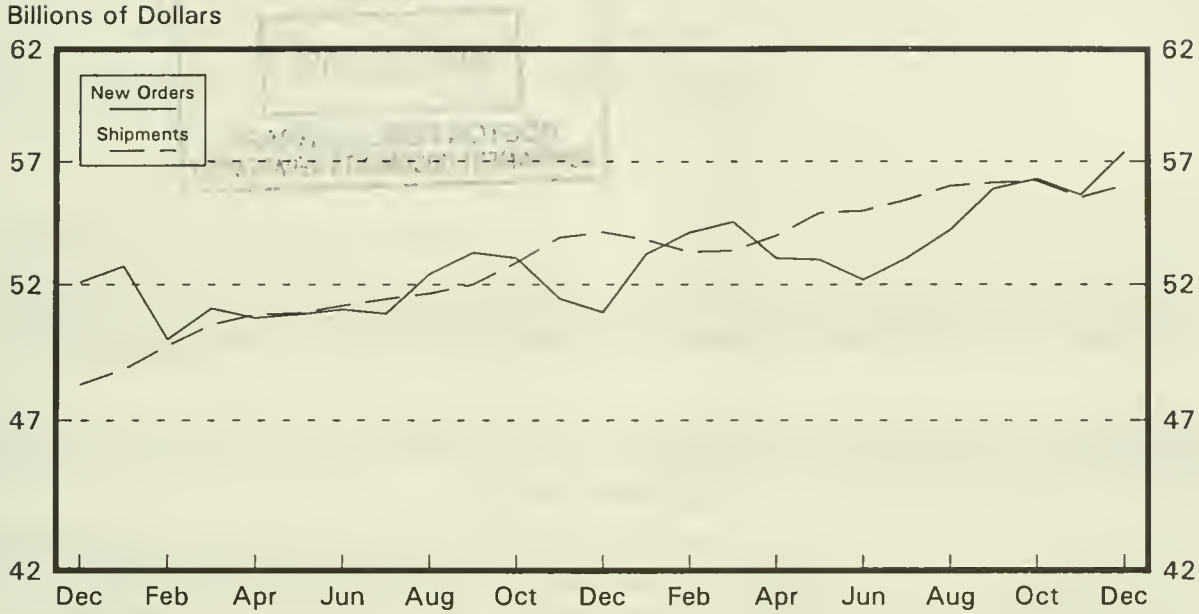
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

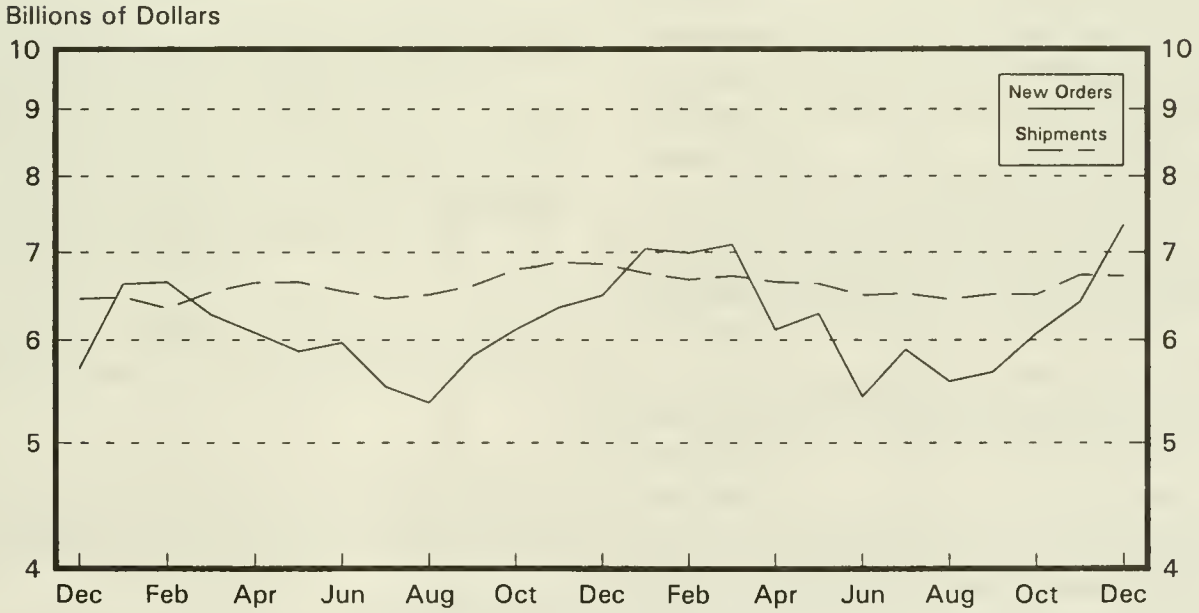
New Orders and Shipments
Three Month Moving Averages



Dec. 1997 - Dec. 1999

Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Dec. 1997 - Dec. 1999

Note: All Charts based on seasonally adjusted current dollars.

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PUBLICATION DATES FOR THE 1999/2000 MONTHLY "M3" SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

RELEASE DATES		
REPORT COVERING	**ADVANCE REPORT (8:30 a.m. release time)**	**REGULAR REPORT (10:00 a.m. release time)**
December 1999	Thur., Jan. 27	Thur., Feb. 3
January 2000	Thur., Feb. 24	Fri., Mar. 3
February 2000	Fri., Mar. 24	Fri., Mar. 31
March 2000	Wed., Apr. 26	Wed., May 3
April 2000	Fri., May 26	Fri., Jun. 2
May 2000	Wed., Jun. 28	Thurs., Jul. 6
June 2000	Thur., Jul. 27	Thurs., Aug. 3
July 2000	Thurs., Aug. 24	Thurs., Aug. 31
August 2000	Wed., Sep. 27	Wed., Oct. 4
September 2000	Fri., Oct. 27	Fri., Nov. 3
October 2000	Tues., Nov. 28	Tues., Dec. 5
November 2000	Fri., Dec. 22	

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Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders, M3-1-(00)-01, January 2000,

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January decreased $4.3 billion or 1.1 percent to $375.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 3.8 percent December increase. Excluding transportation, new orders decreased 0.6 percent. New orders for January 2000 are 7.4 percent above January 1999.

Shipments increased $3.8 billion or 1.0 percent to $371.7 billion, following a 0.8 percent December increase. This is the eighth increase in the last nine months. Shipments for January 2000 are 8.8 percent above January 1999.

Unfilled orders increased $3.5 billion or 0.7 percent to $541.8 billion, following a 2.2 percent December increase. This is the seventh consecutive increase. The unfilled orders-to-shipments ratio was 2.55, down from 2.57 in December.

Inventories increased $1.6 billion or 0.3 percent to $471.9 billion, following a 0.1 percent December increase. This is the fifth consecutive increase. The inventories-to-shipments ratio was 1.27, down from 1.28 in December.

New Orders

New orders for manufactured durable goods in January decreased $4.1 billion or 1.9 percent to $214.1 billion, revised from the previously published 1.3 percent decrease.

Electronic and other electrical equipment had the largest decrease, $5.3 billion or 12.9 percent to $36.2 billion, mostly due to electronic components. This is the largest decrease since July 1997. Transportation equipment decreased $2.2 billion or 4.0 percent to $53.4 billion; decreases in shipbuilding and tanks and aircraft and parts more than offset increases in motor vehicles and parts and railroad equipment. Instruments and related products decreased $0.3 billion or 2.1 percent to $15.6 billion. Industrial machinery and equipment increased $3.6 billion or 9.4 percent to $42.3 billion. Primary metals increased $0.4 billion or 2.7 percent to $15.8 billion.

New orders for nondurable goods, down for the first time since September 1999, decreased $0.2 billion or 0.1 percent to $161.1 billion. Paper and allied products had the largest decrease.

Shipments

Shipments of durable goods in January increased $3.8 billion or 1.9 percent to $210.3 billion, revised from the previously published 2.8 percent increase. This is the eighth increase in the last nine months.

Industrial machinery and equipment, led by computer and office equipment, had the largest increase, $2.5 billion or 6.6 percent to $41.2 billion. This is the largest increase on record. Electronic and other electrical equipment, up three consecutive months, increased $1.5 billion or 4.3 percent to $37.8 billion. This is the largest increase since March 1997. Transportation equipment decreased $0.8 billion or 1.6 percent to $49.3 billion.

Shipments of nondurable goods decreased slightly to $161.3 billion. This is the first decrease since April 1999. Decreases in food and kindred products, chemicals and allied products, and rubber and plastics products more than offset increases in printing and publishing and petroleum and coal products.

Unfilled Orders

Unfilled orders for durable goods in January increased $3.7 billion or 0.7 percent to $516.3 billion, revised from the previously published 0.6 percent increase. This is the seventh consecutive monthly increase.

Transportation equipment, led by aircraft and parts, had the largest increase, $4.1 billion or 1.8 percent to $231.6 billion. Industrial machinery and equipment, up seven consecutive months, increased $1.1 billion or 1.4 percent to $82.4 billion. Electronic and other electrical equipment, down for the first time since November 1998, decreased $1.6 billion or 1.9 percent to $83.8 billion.

Inventories

Inventories of durable goods in January increased $1.1 billion or 0.4 percent to $296.1 billion. This is the fifth consecutive increase.

Fabricated metal products had the largest increase, $0.3 billion or 0.8 percent to $31.7 billion. This is the seventh consecutive increase and the largest since July 1999. Instruments and related products, up six of the last seven months, increased $0.2 billion or 0.8 percent to $27.4 billion. Electronic and other electrical equipment, down for the first time since August 1999, decreased $0.2 billion or 0.5 percent to $43.4 billion.

Inventories of nondurable goods, up ten of the last eleven months, increased $0.5 billion or 0.3 percent to $175.8 billion. Paper and allied products had the largest increase, $0.3 billion or 1.6 percent to $16.3 billion. This is the largest increase since June 1995.

By stage of fabrication, January finished goods increased 1.3 percent in durables and 0.5 percent in nondurables. Work in process increased 0.4 percent in durables and decreased 1.1 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and increased 0.6 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for February is scheduled for March 24, 2000 at 8:30 a.m. and the full report on March 31, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99	2000[p]	1999
All manufacturing industries	371,670	367,872	364,971	+1.0	+0.8	+1.3	334,173	365,926	364,779	307,582	+8.6	334,173	307,582
Manufacturing Industries													
with unfilled orders	212,281	209,080	207,251	+1.5	+0.9	+1.1	187,068	215,652	208,276	173,561	+7.8	187,068	173,561
without defense capital goods	365,419	361,351	357,815	+1.1	+1.0	+1.2	329,122	358,396	357,046	302,088	+8.9	329,122	302,088
Durable goods industries	210,328	206,480	204,430	+1.9	+1.0	+1.0	184,733	209,219	203,877	170,448	+8.4	184,733	170,448
With unfilled orders	173,133	170,241	168,782	+1.7	+0.9	+0.9	150,785	177,151	168,838	139,260	+8.3	150,785	139,260
Stone, clay, and glass products	8,887	8,900	9,003	-0.1	-1.1	+1.5	7,687	7,957	8,893	7,119	+8.0	7,687	7,119
Primary metals	15,968	15,763	15,574	+1.3	+1.2	+2.5	15,206	14,447	15,167	13,586	+11.9	15,206	13,586
Blast furnaces, steel mills	6,146	6,094	6,059	+0.9	+0.6	+2.8	5,969	5,587	5,817	5,236	+14.0	5,969	5,236
Iron and steel foundries	1,590	1,575	1,510	+1.0	+4.3	+2.9	1,469	1,347	1,456	1,397	+5.2	1,469	1,397
Nonferrous and other primary metals	8,232	8,094	8,005	+1.7	+1.1	+2.2	7,768	7,513	7,894	6,953	+11.7	7,768	6,953
Fabricated metal products	20,708	20,385	20,713	+1.6	-1.6	+2.1	18,752	18,867	20,654	18,557	+1.1	18,752	18,557
Industrial machinery and equipment	41,243	38,698	39,075	+6.6	-1.0	-1.0	34,173	42,025	36,757	30,345	+12.6	34,173	30,345
Engines and turbines	3,265	2,561	2,677	+27.5	-4.3	+2.2	2,438	3,219	2,664	1,894	+28.7	2,438	1,894
Farm and garden machinery	1,913	1,854	1,755	+3.2	+5.6	+11.7	1,760	1,354	1,224	1,733	+1.6	1,760	1,733
Construction, mining and material handling equipment	3,966	3,829	3,690	+3.6	+3.8	-0.2	3,538	3,652	3,392	3,481	+1.6	3,538	3,481
Metalworking machinery	3,685	3,728	3,832	-1.2	-2.7	-4.0	2,791	3,890	4,306	2,694	+3.6	2,791	2,694
Computer and office equipment	12,899	11,077	12,036	+16.4	-8.0	-6.6	9,620	14,410	11,187	8,033	+19.8	9,620	8,033
Electronic and other electrical equipment	37,828	36,281	35,605	+4.3	+1.9	+2.1	32,328	40,817	36,912	27,811	+16.2	32,328	27,811
Electrical transmission and distribution equipment and industrial apparatus	4,120	3,971	3,876	+3.8	+2.5	+3.2	3,622	3,957	3,705	3,176	+14.0	3,622	3,176
Household appliances	2,467	2,369	2,425	+4.1	-2.3	+3.3	2,017	2,296	2,358	1,825	+10.5	2,017	1,825
Electric lighting and wiring equipment	2,599	2,649	2,556	-1.9	+3.6	+2.7	2,247	2,941	2,655	1,966	+14.3	2,247	1,966
Household audio and video equipment	1,119	988	975	+13.3	+1.3	-2.0	962	955	1,201	930	+3.4	962	930
Communications equipment	9,708	8,819	8,587	+10.1	+2.7	+0.5	7,540	12,160	8,524	6,134	+22.9	7,540	6,134
Electronic components	15,405	15,161	14,985	+1.6	+1.2	+2.8	13,922	16,234	15,794	11,993	+16.1	13,922	11,993
Transportation equipment	49,321	50,125	48,326	-1.6	+3.7	+1.4	44,633	48,564	49,461	42,646	+4.7	44,633	42,646
Motor vehicles and parts	34,788	34,189	33,239	+1.8	+2.9	+1.0	32,566	30,109	33,932	30,104	+8.2	32,566	30,104
Aircraft, missiles, space vehicles, and parts	11,016	11,788	11,477	-6.5	+2.7	-0.1	9,063	14,445	11,954	10,070	-10.0	9,063	10,070
Shipbuilding and tanks	1,065	912	1,003	+16.8	-9.1	+3.1	867	1,058	1,022	786	+10.3	867	786
Instruments and related products	15,253	15,169	14,992	+0.6	+1.2	+1.1	13,357	16,385	15,110	12,284	+8.7	13,357	12,284
Search and navigation equipment	3,213	3,191	3,099	+0.7	+3.0	-2.3	2,739	3,555	3,109	2,728	+0.4	2,739	2,728
Measuring and controlling devices	4,549	4,652	4,471	-2.2	+4.0	+1.4	4,060	4,972	4,516	3,633	+11.8	4,060	3,633
Medical instruments and supplies	4,947	4,823	4,894	+2.6	-1.5	+1.1	4,430	5,295	4,777	4,041	+9.6	4,430	4,041
Photographic goods	2,046	2,011	2,028	+1.7	-0.8	+6.1	1,691	2,091	2,212	1,479	+14.3	1,691	1,479
All other durable goods	21,120	21,159	21,142	-0.2	+0.1	0.0	18,597	20,157	20,923	18,100	+2.7	18,597	18,100
Nondurable goods industries	161,342	161,392	160,541	0.0	+0.5	+1.7	149,440	156,707	160,902	137,134	+9.0	149,440	137,134
With unfilled orders	39,148	38,839	38,469	+0.8	+1.0	+2.0	36,283	38,501	39,438	34,301	+5.8	36,283	34,301
Food and kindred products	41,877	42,176	42,363	-0.7	-0.4	+0.2	39,257	41,652	43,223	38,810	+1.2	39,257	38,810
Meat products	9,169	9,425	9,440	-2.7	-0.2	+0.1	8,624	9,413	9,630	8,069	+6.9	8,624	8,069
Dairy products	6,302	6,336	6,546	-0.5	-3.2	+1.8	6,181	6,256	6,785	6,508	-5.0	6,181	6,508
Beverages	6,610	6,374	6,475	+3.7	-1.6	+0.3	5,751	5,914	6,188	5,396	+6.6	5,751	5,396
All other foods, except fats and oils	18,065	18,178	18,040	-0.6	+0.8	-0.2	16,970	18,206	18,758	16,910	+0.4	16,970	16,910
Tobacco products	4,393	4,324	4,475	+1.6	-3.4	-0.6	4,091	4,016	4,612	3,820	+7.1	4,091	3,820
Textile mill products	6,699	6,615	6,545	+1.3	+1.1	-1.4	5,886	5,966	6,590	5,769	+2.0	5,886	5,769
Broadwoven fabrics and other textiles	3,639	3,651	3,681	-0.3	-0.8	+1.1	3,308	3,433	3,588	3,481	-5.0	3,308	3,481
Paper and allied products	14,182	14,376	14,268	-1.3	+0.8	+3.5	13,653	14,095	14,095	12,931	+5.6	13,653	12,931
Pulp, paper, and paperboard mill products	5,742	5,697	5,637	+0.8	+1.1	+7.4	5,556	5,622	5,619	4,983	+11.5	5,556	4,983
Paperboard containers and boxes	3,723	3,707	3,632	+0.4	+2.1	-0.1	3,611	3,521	3,588	3,275	+10.3	3,611	3,275
Miscellaneous converted paper products	4,717	4,972	4,999	-5.1	-0.5	+2.1	4,486	4,952	4,888	4,673	-4.0	4,486	4,673
Chemicals and allied products	35,384	35,636	35,937	-0.7	-0.8	+1.1	33,247	35,458	34,579	30,801	+7.9	33,247	30,801
Industrial chemicals	15,821	16,066	16,215	-1.5	-0.9	+1.1	15,142	15,680	15,843	14,104	+7.4	15,142	14,104
Drugs, soaps, and toiletries	15,581	15,555	15,747	+0.2	-1.2	+0.5	14,605	16,414	15,513	13,458	+8.5	14,605	13,458
Petroleum and coal products	17,779	17,414	16,634	+2.1	+4.7	+6.4	15,937	17,075	16,755	9,819	+62.3	15,937	9,819
Rubber and plastics products	14,162	14,400	14,339	-1.7	+0.4	+3.8	13,072	12,978	13,816	12,207	+7.1	13,072	12,207
All other nondurable goods	26,866	26,451	25,980	+1.6	+1.8	+1.1	24,297	25,467	27,232	22,977	+5.7	24,297	22,977

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99	2000[p]	1999
All manufacturing industries	375,211	379,485	365,612	-1.1	+3.8	+1.4	348,609	376,534	361,933	325,593	+7.1	348,609	325,593
Manufacturing industries													
with unfilled orders	215,822	220,693	207,892	-2.2	+6.2	+1.2	201,504	226,260	205,430	191,572	+5.2	201,504	191,572
without defense capital goods	368,188	370,622	359,522	-0.7	+3.1	+1.8	340,770	364,867	355,584	317,049	+7.5	340,770	317,049
Durable goods industries	214,070	218,167	204,799	-1.9	+6.5	+1.2	199,227	220,085	200,811	188,008	+6.0	199,227	188,008
With unfilled orders	176,875	181,928	169,151	-2.8	+7.6	+1.1	165,279	188,017	165,772	156,820	+5.4	165,279	156,820
Stone, clay, and glass products	8,943	8,917	9,133	+0.3	-2.4	+1.5	7,876	7,991	8,995	7,282	+8.2	7,876	7,282
Primary metals	15,765	15,346	15,540	+2.7	-1.2	+0.6	16,018	14,859	15,172	13,954	+14.8	16,018	13,954
Blast furnaces, steel mills	6,081	5,896	6,315	+3.1	-6.6	+4.8	6,514	5,788	6,150	5,377	+21.1	6,514	5,377
Iron and steel foundries	1,524	1,599	1,362	-4.7	+17.4	-6.4	1,525	1,459	1,290	1,495	+2.0	1,525	1,495
Nonferrous and other primary metals	8,160	7,851	7,863	+3.9	-0.2	-1.2	7,979	7,612	7,732	7,082	+12.7	7,979	7,082
Fabricated metal products	20,682	20,880	20,619	-0.9	+1.3	+2.8	19,113	19,402	20,280	19,120	0.0	19,113	19,120
Industrial machinery and equipment	42,342	38,716	39,347	+9.4	-1.6	-0.8	36,307	41,425	37,631	31,857	+14.0	36,307	31,857
Engines and turbines	3,348	2,633	2,784	+27.2	-5.4	-0.2	2,475	3,194	2,903	2,156	+14.8	2,475	2,156
Construction, mining and material handling equipment	4,000	3,736	3,965	+7.1	-5.8	+11.0	3,909	3,671	3,707	3,771	+3.7	3,909	3,771
Metalworking machinery	4,004	3,462	3,534	+15.7	-2.0	-9.7	3,110	3,624	4,008	2,811	+10.6	3,110	2,811
Computer and office equipment	12,747	11,712	11,981	+8 8	-2.2	-6.1	9,402	14,755	11,211	8,021	+17.2	9,402	8,021
Electronic and other electrical equipment	36,186	41,524	39,352	-12.9	+5.5	+9.7	35,892	43,695	38,015	34,752	+3.3	35,892	34,752
Electrical transmission and distribution equipment and industrial apparatus	4,155	4,013	3,971	+3.5	+1.1	+1.9	3,845	3,928	3,712	3,247	+18.4	3,845	3,247
Electric lighting and wiring equipment	2,778	2,686	2,461	+3.4	+9.1	-4.3	2,426	2,978	2,560	2,068	+17.3	2,426	2,068
Communications equipment	10,420	11,160	9,747	-6.6	+14.5	-10.1	8,093	14,607	9,951	6,254	+29.4	8,093	6,254
Electronic components	12,878	17,721	17,627	-27.3	+0.5	+35.9	15,982	16,472	15,852	18,008	-11.3	15,982	18,008
Transportation equipment	53,436	55,650	44,899	-4.0	+23.9	-4.1	51,150	55,238	45,416	50,028	+2.2	51,150	50,028
Aircraft, missiles, space vehicles, and parts	14,200	15,354	8,629	-7.5	+77.9	-17.1	14,259	19,021	8,592	15,041	-5.2	14,259	15,041
Shipbuilding and tanks	836	2,241	1,049	-62.7	113.6	+4.7	652	2,288	1,044	1,809	-64.0	652	1,809
Instruments and related products	15,563	15,903	14,816	-2.1	+7.3	+3.2	14,068	17,807	14,690	12,806	+9.9	14,068	12,806
Search and navigation equipment	3,225	3,429	2,846	-5.9	+20.5	-2.9	2,914	4,472	2,785	2,728	+6.8	2,914	2,728
Measuring and controlling devices	4,771	4,909	4,429	-2.8	+10.8	+6.7	4,282	5,229	4,474	3,756	+14.0	4,282	3,756
Medical instruments and supplies	4,932	5,043	4,998	-2.2	+0.9	+3.3	4,645	5,509	4,733	4,473	+3.8	4,645	4,473
All other durable goods	21,153	21,231	21,093	-0.4	+0.7	-0.6	18,803	19,668	20,612	18,209	+3.3	18,803	18,209
Nondurable goods industries	161,141	161,318	160,813	-0.1	+0.3	+1.6	149,382	156,449	161,122	137,585	+8.6	149,382	137,585
With unfilled orders	38,947	38,765	38,741	+0.5	+0.1	+1.6	36,225	38,243	39,658	34,752	+4.2	36,225	34,752

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99
All manufacturing industries	541,758	538,217	526,604	+0.7	+2.2	+0.1	547,127	532,691	522,083	530,997	+3.0
Manufacturing industries without defense capital goods	447,200	444,431	435,160	+0.6	+2.1	+0.4	450,699	439,051	432,580	432,234	+4.3
Durable goods industries	516,277	512,535	500,848	+0.7	+2.3	+0.1	522,273	507,779	496,913	507,600	+2.9
Stone, clay, and glass products	6,386	6,330	6,313	+0.9	+0.3	+2.1	6,426	6,237	6,203	6,234	+3.1
Primary metals	31,709	31,912	32,329	-0.6	-1.3	-0.1	31,933	31,121	30,709	29,215	+9.3
Blast furnaces, steel mills	13,019	13,084	13,282	-0.5	-1.5	+2.0	13,178	12,633	12,432	11,176	+17.9
Iron and steel foundries	4,673	4,739	4,715	-1.4	+0.5	-3.0	4,720	4,664	4,552	5,450	-13.4
Nonferrous and other primary metals	14,017	14,089	14,332	-0.5	-1.7	-1.0	14,035	13,824	13,725	12,589	+11.5
Fabricated metal products	25,178	25,204	24,709	-0.1	+2.0	-0.4	25,109	24,748	24,213	25,997	-3.4
Industrial machinery and equipment	82,397	81,298	81,280	+1.4	0.0	+0.3	83,361	81,227	81,827	75,953	+9.8
Engines and turbines	24,297	24,214	24,142	+0.3	+0.3	+0.4	24,835	24,798	24,823	18,987	+30.8
Construction, mining and material handling equipment	8,809	8,775	8,868	+0.4	-1.0	+3.2	8,950	8,579	8,560	9,923	-9.8
Metalworking machinery	6,809	6,490	6,756	+4.9	-3.9	-4.2	6,809	6,490	6,756	6,563	+3.7
Computer and office equipment	8,674	8,826	8,191	-1.7	+7.8	-0.7	8,463	8,681	8,336	7,929	+6.7
Electronic and other electrical equipment	83,824	85,466	80,223	-1.9	+6.5	+4.9	87,251	83,687	80,809	64,747	+34.8
Electrical transmission and distribution equipment and industrial apparatus	7,103	7,068	7,026	+0.5	+0.6	+1.4	7,119	6,896	6,925	6,252	+13.9
Electric lighting and wiring equipment	5,211	5,032	4,995	+3.6	+0.7	-1.9	5,211	5,032	4,995	5,124	+1.7
Communications equipment	25,667	24,955	22,614	+2.9	+10.4	+5.4	26,176	25,623	23,176	17,177	+52.4
Electronic components	39,959	42,486	39,926	-5.9	+6.4	+7.1	42,534	40,474	40,236	29,670	+43.4
Transportation equipment	231,576	227,461	221,936	+1.8	+2.5	-1.5	232,899	226,382	219,708	249,966	-6.8
Aircraft, missiles, space vehicles, and parts	194,600	191,416	187,850	+1.7	+1.9	-1.5	195,704	190,508	185,932	208,979	-6.4
Shipbuilding and tanks	19,391	19,620	18,291	-1.2	+7.3	+0.3	19,313	19,528	18,298	20,345	-5.1
Instruments and related products	46,725	46,415	45,681	+0.7	+1.6	-0.4	47,207	46,496	45,074	47,707	-1.0
Search and navigation equipment	25,338	25,326	25,088	0.0	+0.9	-1.0	25,595	25,420	24,503	26,428	-3.2
Measuring and controlling devices	10,354	10,132	9,875	+2.2	+2.6	-0.4	10,354	10,132	9,875	10,308	+0.4
Medical instruments and supplies	10,001	10,016	9,796	-0.1	+2.2	+1.1	10,250	10,035	9,821	10,018	+2.3
All other durable goods	8,482	8,449	8,377	+0.4	+0.9	-0.6	8,087	7,881	8,370	7,781	+3.9
Nondurable goods industries	25,481	25,682	25,756	-0.8	-0.3	+1.1	24,854	24,912	25,170	23,397	+6.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99
All manufacturing industries	471,949	470,377	469,836	+0.3	+0.1	+0.5	469,797	460,048	470,921	462,588	+1.6
Manufacturing industries											
with unfilled orders	311,866	310,668	310,756	+0.4	0.0	+0.5	308,797	301,638	310,748	307,625	+0.4
without defense capital goods	452,291	451,145	451,296	+0.3	0.0	+0.5	450,360	441,436	452,528	444,384	+1.3
Durable goods industries	296,142	295,034	294,970	+0.4	0.0	+0.5	294,170	287,124	295,759	291,608	+0.9
With unfilled orders	270,701	269,759	269,892	+0.3	0.0	+0.5	268,199	262,050	270,449	266,947	+0.5
Stone, clay, and glass products	9,962	9,888	9,824	+0.7	+0.7	-0.3	10,011	9,682	9,515	9,402	+6.5
Primary metals	24,446	24,255	24,091	+0.8	+0.7	+0.9	24,622	24,445	24,078	24,525	+0.4
Blast furnaces, steel mills	11,563	11,507	11,414	+0.5	+0.8	+0.8	11,757	11,792	11,528	12,085	-2.7
Iron and steel foundries	1,612	1,617	1,620	-0.3	-0.2	+2.7	1,601	1,580	1,574	1,598	+0.2
Nonferrous and other primary metals	11,271	11,131	11,057	+1.3	+0.7	+0.7	11,264	11,073	10,976	10,842	+3.9
Fabricated metal products	31,661	31,401	31,378	+0.8	+0.1	+0.1	31,478	30,846	31,084	30,741	+2.4
Industrial machinery and equipment	60,500	60,406	60,495	+0.2	-0.1	+0.9	60,103	58,283	61,012	60,256	-0.3
Engines and turbines	4,604	4,615	4,649	-0.2	-0.7	+1.8	4,418	4,228	4,861	3,961	+11.5
Farm and garden machinery	3,853	3,847	3,715	+0.2	+3.6	+1.2	4,263	4,085	3,786	4,136	+3.1
Construction, mining and material handling equipment	8,942	8,951	8,917	-0.1	+0.4	+0.6	8,977	8,765	8,906	9,110	-1.5
Metalworking machinery	8,047	8,023	8,023	+0.3	0.0	-1.2	7,821	7,509	7,903	7,774	+0.6
Computer and office equipment	8,677	8,857	8,888	-2.0	-0.3	+3.1	8,310	8,179	9,050	8,714	-4.6
Electronic and other electrical equipment	43,392	43,611	42,665	-0.5	+2.2	+1.4	42,806	42,063	42,613	39,036	+9.7
Electrical transmission and distribution equipment and industrial apparatus	5,440	5,393	5,371	+0.9	+0.4	+0.9	5,484	5,315	5,447	5,421	+1.2
Household appliances	2,520	2,502	2,436	+0.7	+2.7	+1.0	2,476	2,260	2,362	2,351	+5.3
Electric lighting and wiring equipment	3,786	3,768	3,752	+0.5	+0.4	-0.3	3,694	3,568	3,796	3,371	+9.6
Household audio and video equipment	1,095	1,143	1,123	-4.2	+1.8	+3.9	1,057	1,077	1,111	986	+7.2
Communications equipment	11,668	12,108	11,668	-3.6	+3.8	+4.5	11,398	11,638	11,743	9,376	+21.6
Electronic components	15,090	14,935	14,634	+1.0	+2.1	-0.4	14,958	14,603	14,564	13,874	+7.8
Transportation equipment	69,215	69,069	70,417	+0.2	-1.9	0.0	68,528	66,729	71,334	73,252	-6.4
Motor vehicles and parts	17,993	17,982	17,916	+0.1	+0.4	+1.6	17,932	17,506	18,045	17,090	+4.9
Aircraft, missiles, space vehicles, and parts	44,966	45,173	46,143	-0.5	-2.1	-0.8	44,356	43,469	46,990	50,362	-11.9
Shipbuilding and tanks	2,399	2,373	2,277	+1.1	+4.2	+2.0	2,416	2,350	2,228	1,885	+28.2
Instruments and related products	27,403	27,180	27,062	+0.8	+0.4	0.0	26,784	26,267	27,141	25,831	+3.7
Search and navigation equipment	6,908	6,896	6,989	+0.2	-1.3	+0.1	6,677	6,660	6,950	6,378	+4.7
Measuring and controlling devices	8,311	8,232	8,166	+1.0	+0.8	-0.4	8,190	8,012	8,160	7,857	+4.2
Medical instruments and supplies	9,104	8,987	8,834	+1.3	+1.7	+0.6	8,967	8,725	8,939	8,328	+7.7
Photographic goods	2,347	2,346	2,346	0.0	0.0	-0.6	2,231	2,160	2,361	2,534	-12.0
All other durable goods	29,563	29,224	29,038	+1.2	+0.6	+0.6	29,838	28,809	28,982	28,565	+4.5
Nondurable goods industries	175,807	175,343	174,866	+0.3	+0.3	+0.5	175,627	172,924	175,162	170,980	+2.7
With unfilled orders	41,165	40,909	40,864	+0.6	+0.1	+0.4	40,598	39,588	40,299	40,678	-0.2
Food and kindred products	38,976	39,033	38,797	-0.1	+0.6	+0.1	39,374	39,250	40,353	38,016	+3.6
Meat products	4,440	4,468	4,481	-0.6	-0.3	-0.1	4,375	4,216	4,442	4,056	+7.9
Dairy products	3,831	3,834	3,879	-0.1	-1.2	-1.5	3,793	3,575	3,747	3,859	-1.7
Beverages	8,882	8,989	8,696	-1.2	+3.4	+0.5	8,868	8,903	8,826	8,401	+5.6
All other foods, except fats and oils	20,212	20,133	20,104	+0.4	+0.1	+0.5	20,650	20,918	21,580	19,750	+4.6
Tobacco products	5,126	5,101	5,075	+0.5	+0.5	-1.7	5,664	5,493	5,304	6,193	-8.5
Textile mill products	10,131	10,163	10,101	-0.3	+0.6	+0.3	10,118	9,756	9,863	10,066	+0.5
Broadwoven fabrics and other textiles	6,084	6,136	6,113	-0.8	+0.4	+0.4	6,135	5,954	6,031	6,346	-3.3
Paper and allied products	16,327	16,068	16,137	+1.6	-0.4	+0.1	16,387	15,955	15,958	16,229	+1.0
Pulp, paper, and paperboard mill products	6,364	6,328	6,268	+0.6	+1.0	-0.5	6,430	6,298	6,206	6,668	-3.6
Paperboard containers and boxes	4,318	4,164	4,235	+3.7	-1.7	-0.2	4,332	4,173	4,169	3,994	+8.5
Miscellaneous converted paper products	5,645	5,576	5,634	+1.2	-1.0	+0.9	5,625	5,484	5,583	5,567	+1.0
Chemicals and allied products	47,789	47,603	47,421	+0.4	+0.4	+1.1	47,629	47,055	47,148	46,214	+3.1
Industrial chemicals	19,408	19,480	19,515	-0.4	-0.2	+1.3	19,595	19,673	19,336	19,699	-0.5
Drugs, soaps, and toiletries	22,421	22,172	21,961	+1.1	+1.0	+1.0	21,782	21,432	21,975	20,357	+7.0
Petroleum and coal products	12,345	12,247	12,174	+0.8	+0.6	+1.0	12,005	11,741	12,399	10,000	+20.1
Rubber and plastics products	17,613	17,589	17,769	+0.1	-1.0	+0.3	17,799	17,456	17,532	16,956	+5.0
All other nondurable goods	27,500	27,539	27,392	-0.1	+0.5	+0.4	26,651	26,218	26,605	27,306	-2.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	371,670	367,872	364,971	+1.0	+0.8	+1.3	334,173	365,926	364,779	307,582	+8.6	334,173	307,582
Market categories :													
Automotive equipment	17,340	16,900	16,403	+2.6	+3.0	+1.9	15,941	14,907	16,753	14,335	+11.2	15,941	14,335
Home goods and apparel	20,930	20,653	20,223	+1.3	+2.1	+0.8	17,996	18,537	20,887	16,773	+7.3	17,996	16,773
Consumer staples	77,014	76,912	77,015	+0.1	-0.1	+1.2	71,555	77,026	77,970	65,376	+9.5	71,555	65,376
Machinery and equipment	72,295	69,839	68,160	+3.5	+2.5	-0.9	60,616	77,493	66,393	55,293	+9.6	60,616	55,293
Business supplies	27,887	27,732	27,521	+0.6	+0.8	+1.9	25,553	27,595	28,082	23,652	+8.0	25,553	23,652
Construction materials and supplies	23,546	23,601	23,637	-0.2	-0.2	+1.7	20,474	21,833	23,100	19,222	+6.5	20,474	19,222
Defense products	6,543	6,743	7,468	-3.0	-9.7	+9.5	5,396	7,598	7,980	5,763	-6.4	5,396	5,763
Other materials, supplies and and intermediate products	126,115	125,492	124,544	+0.5	+0.8	+2.0	116,642	120,937	123,614	107,168	+8.8	116,642	107,168
Durable goods industries :													
Nondefense capital goods [3]	58,866	56,587	55,238	+4.0	+2.4	-1.9	47,905	66,365	53,289	43,012	+11.4	47,905	43,012
Excluding aircraft and parts	51,098	48,304	47,911	+5.8	+0.8	-0.9	41,420	55,997	46,014	35,904	+15.4	41,420	35,904
Defense capital goods [4]	6,251	6,521	7,156	-4.1	-8.9	+8.9	5,051	7,530	7,733	5,494	-8.1	5,051	5,494
Durables excluding capital goods	145,211	143,372	142,036	+1.3	+0.9	+1.9	131,777	135,324	142,855	121,942	+8.1	131,777	121,942
Miscellaneous series :													
Producers' durable equipment	137,565	134,223	131,947	+2.5	+1.7	+0.2	119,570	137,780	130,972	110,374	+8.3	119,570	110,374
Household durable goods	11,103	10,868	10,776	+2.2	+0.9	+2.4	9,457	10,493	11,262	8,465	+11.7	9,457	8,465
Information technology industries	30,200	27,473	28,050	+9.9	-2.1	-2.3	23,795	34,580	27,344	20,126	+18.2	23,795	20,126
Health care equipment and products	13,400	13,259	13,432	+1.1	-1.3	+0.7	12,353	14,173	13,185	11,347	+8.9	12,353	11,347
NEW ORDERS													
All manufacturing industries	375,211	379,485	365,612	-1.1	+3.8	+1.4	348,609	376,534	361,933	325,593	+7.1	348,609	325,593
Market categories :													
Automotive equipment	17,296	16,945	16,337	+2.1	+3.7	+1.2	16,017	14,994	16,634	14,607	+9.7	16,017	14,607
Home goods and apparel	21,125	20,576	20,261	+2.7	+1.6	-0.1	18,748	18,078	20,647	17,165	+9.2	18,748	17,165
Consumer staples	76,893	76,958	77,112	-0.1	-0.2	+1.2	71,421	77,094	78,004	65,594	+8.9	71,421	65,594
Machinery and equipment	76,946	75,620	67,545	+1.8	+12.0	-1.2	66,581	82,621	65,887	60,507	+10.0	66,581	60,507
Business supplies	27,824	27,796	27,585	+0.1	+0.8	+1.9	25,603	27,576	28,097	24,028	+6.6	25,603	24,028
Construction materials and supplies	23,767	23,643	23,577	+0.5	+0.3	+1.0	20,905	21,905	22,942	19,494	+7.2	20,905	19,494
Defense products	6,877	8,848	6,449	-22.3	+37.2	-19.3	7,500	11,471	6,779	8,720	-14.0	7,500	8,720
Other materials, supplies and and intermediate products	124,483	129,099	126,746	-3.6	+1.9	+4.5	121,834	122,795	122,943	115,478	+5.5	121,834	115,478
Durable goods industries :													
Nondefense capital goods [3]	64,103	62,639	54,385	+2.3	+15.2	-3.4	54,381	71,776	52,843	47,992	+13.3	54,381	47,992
Excluding aircraft and parts	54,019	51,294	48,658	+5.3	+5.4	-0.5	45,580	58,346	47,168	37,882	+20.3	45,580	37,882
Defense capital goods [4]	7,023	8,863	6,090	-20.8	+45.5	-20.6	7,839	11,667	6,349	8,544	-8.3	7,839	8,544
Durables excluding capital goods	142,944	146,665	144,324	-2.5	+1.6	+4.2	137,007	136,642	141,619	131,472	+4.2	137,007	131,472
Miscellaneous series :													
Producers' durable equipment	142,066	140,099	131,177	+1.4	+6.8	+0.4	127,030	142,663	129,673	118,040	+7.6	127,030	118,040
Household durable goods	11,173	10,958	10,761	+2.0	+1.8	+0.1	10,040	10,252	10,974	8,855	+13.4	10,040	8,855
Information technology industries	30,966	30,810	28,575	+0.5	+7.8	-0.6	24,510	37,639	27,929	20,243	+21.1	24,510	20,243
Health care equipment and products	13,385	13,481	13,535	-0.7	-0.4	+1.5	12,567	14,386	13,140	11,778	+6.7	12,567	11,778

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment, refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99
UNFILLED ORDERS											
All manufacturing industries	541,758	538,217	526,604	+0.7	+2.2	+0.1	547,127	532,691	522,083	530,997	+3.0
Market categories :											
Automotive equipment	2,484	2,527	2,482	-1.7	+1.8	-2.6	2,562	2,486	2,399	2,677	-4.3
Home goods and apparel	9,455	9,260	9,338	+2.1	-0.8	+0.4	9,360	8,608	9,066	8,703	+7.5
Consumer staples	2,979	3,100	3,055	-3.9	+1.5	+3.3	2,932	3,066	2,998	2,480	+18.2
Machinery and equipment	244,849	240,198	234,417	+1.9	+2.5	-0.3	245,156	239,191	234,063	245,785	-0.3
Business supplies	7,381	7,444	7,381	-0.8	+0.9	+0.9	7,246	7,196	7,215	6,897	+5.1
Construction materials and supplies	17,871	17,650	17,608	+1.3	+0.2	-0.3	17,799	17,368	17,295	17,513	+1.6
Defense products	89,331	88,997	86,892	+0.4	+2.4	-1.2	91,187	89,083	85,210	93,873	-2.9
Other materials, supplies and and intermediate products	167,408	169,041	165,431	-1.0	+2.2	+1.3	170,885	165,693	163,837	153,069	+11.6
Durable goods industries :											
Nondefense capital goods [3]	262,262	257,025	250,973	+2.0	+2.4	-0.3	263,071	256,595	251,184	262,062	+0.4
Excluding aircraft and parts	118,569	115,648	112,658	+2.5	+2.7	+0.7	119,378	115,218	112,869	108,555	+10.0
Defense capital goods [4]	94,558	93,786	91,444	+0.8	+2.6	-1.2	96,428	93,640	89,503	98,763	-2.4
Durables excluding capital goods	159,457	161,724	158,431	-1.4	+2.1	+1.5	162,774	157,544	156,226	146,775	+10.9
Miscellaneous series :											
Producers' durable equipment	282,788	278,287	272,411	+1.6	+2.2	-0.3	283,986	276,526	271,643	287,170	-1.1
Household durable goods	5,926	5,856	5,766	+1.2	+1.6	-0.3	6,029	5,446	5,687	5,551	+8.6
Information technology industries	45,777	45,011	41,674	+1.7	+8.0	+1.3	45,562	44,847	41,788	39,233	+16.1
Health care equipment and products	10,043	10,058	9,836	-0.1	+2.3	+1.1	10,290	10,076	9,862	10,056	+2.3
TOTAL INVENTORIES											
All manufacturing industries	471,949	470,377	469,836	+0.3	+0.1	+0.5	469,797	460,048	470,921	462,588	+1.6
Market categories :											
Automotive equipment	8,861	8,829	8,944	+0.4	-1.3	+0.5	8,757	8,411	8,950	8,527	+2.7
Home goods and apparel	31,845	31,861	31,665	-0.1	+0.6	+0.4	31,514	30,522	30,618	31,479	+0.1
Consumer staples	76,915	76,594	76,051	+0.4	+0.7	+0.4	76,829	75,925	77,703	73,284	+4.8
Machinery and equipment	114,897	115,566	117,040	-0.6	-1.3	+0.7	113,374	111,057	118,512	116,214	-2.4
Business supplies	28,616	28,412	28,514	+0.7	-0.4	+0.6	28,179	27,461	28,441	27,958	+0.8
Construction materials and supplies	30,791	30,556	30,290	+0.8	+0.9	+0.6	30,798	29,968	30,016	28,806	+6.9
Defense products	19,064	18,718	18,159	+1.8	+3.1	+0.2	18,898	18,171	18,012	17,888	+5.6
Other materials, supplies and and intermediate products	160,960	159,841	159,173	+0.7	+0.4	+0.4	161,448	158,533	158,669	158,432	+1.9
Durable goods industries :											
Nondefense capital goods [3]	105,493	106,269	108,074	-0.7	-1.7	+0.7	103,836	101,952	109,521	108,410	-4.2
Excluding aircraft and parts	73,571	73,749	73,894	-0.2	-0.2	+1.7	72,372	70,626	74,403	70,061	+3.3
Defense capital goods [4]	19,658	19,232	18,540	+2.2	+3.7	+0.5	19,437	18,612	18,393	18,204	+6.8
Durables excluding capital goods	170,991	169,533	168,356	+0.9	+0.7	+0.4	170,897	166,560	167,845	164,994	+3.6
Miscellaneous series :											
Producers' durable equipment	189,941	190,196	191,490	-0.1	-0.7	+0.7	188,041	184,005	192,643	188,340	-0.2
Household durable goods	16,680	16,597	16,501	+0.5	+0.6	+0.9	16,614	15,894	16,220	16,363	+1.5
Information technology industries	33,887	34,429	33,984	-1.6	+1.3	+2.2	32,898	32,727	34,176	30,833	+6.7
Health care equipment and products	21,239	20,990	20,724	+1.2	+1.3	+0.8	20,765	20,332	20,836	19,357	+7.3

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Jan. 1999	Jan. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	157,919	158,082	156,215	-0.1	+1.2	+1.4	159,029	157,994	156,048	154,756	+2.8
Durable goods industries	95,246	95,780	94,477	-0.6	+1.4	+1.7	95,786	95,520	94,885	92,392	+3.7
Stone, clay, and glass products	3,338	3,312	3,262	+0.8	+1.5	-0.4	3,355	3,336	3,262	3,146	+6.6
Primary metals	7,714	7,701	7,550	+0.2	+2.0	+1.5	7,836	8,050	7,711	7,794	+0.5
Fabricated metal products	10,790	10,775	10,675	+0.1	+0.9	+0.1	10,871	10,913	10,627	10,498	+3.6
Industrial machinery and equipment	19,904	20,823	20,633	-4.4	+0.9	+3.8	19,731	20,426	20,729	19,876	-0.7
Electronic and other electrical equipment	17,532	17,554	16,979	-0.1	+3.4	+3.7	17,560	17,274	17,005	15,454	+13.6
Transportation equipment	15,620	15,201	15,191	+2.8	+0.1	-0.3	15,734	14,965	15,110	15,340	+2.6
Instruments and related products	9,295	9,351	9,208	-0.6	+1.6	+0.4	9,255	9,177	9,108	8,824	+4.9
Lumber, furniture and miscellaneous durable goods	11,053	11,063	10,979	-0.1	+0.8	+1.4	11,444	11,379	11,333	11,460	-0.1
Nondurable goods industries	62,673	62,302	61,738	+0.6	+0.9	+0.9	63,243	62,474	61,163	62,364	+1.4
Food and kindred products	11,582	11,707	11,408	-1.1	+2.6	+1.3	11,790	11,795	11,429	11,604	+1.6
Tobacco products	4,573	4,529	4,505	+1.0	+0.5	-2.1	5,009	4,844	4,513	5,307	-5.6
Textile mill products	2,868	2,886	2,921	-0.6	-1.2	+0.2	2,865	2,842	2,825	2,880	-0.5
Paper and allied products	7,820	7,754	7,782	+0.9	-0.4	+0.3	7,840	7,827	7,746	7,853	-0.2
Chemicals and allied products	15,948	15,825	15,517	+0.8	+2.0	+1.2	15,980	15,729	15,314	15,743	+1.5
Petroleum and coal products	3,742	3,454	3,643	+8.3	-5.2	+2.5	3,637	3,353	3,675	2,976	+22.2
Rubber and plastics products	7,195	7,210	7,177	-0.2	+0.5	+1.2	7,257	7,303	7,122	6,894	+5.3
Apparel, printing and publishing and leather goods	8,945	8,937	8,785	+0.1	+1.7	+1.3	8,865	8,781	8,539	9,107	-2.7
WORK IN PROCESS											
All manufacturing industries	144,496	144,344	146,225	+0.1	-1.3	0.0	142,662	139,810	148,138	147,207	-3.1
Durable goods industries	114,096	113,607	115,411	+0.4	-1.6	-0.2	112,447	109,755	116,630	117,801	-4.5
Stone, clay, and glass products	1,576	1,565	1,574	+0.7	-0.6	-0.1	1,563	1,465	1,471	1,392	+12.3
Primary metals	8,423	8,323	8,289	+1.2	+0.4	+1.0	8,426	8,233	8,206	8,509	-1.0
Fabricated metal products	9,144	8,970	9,032	+1.9	-0.7	-0.8	9,003	8,771	9,099	8,899	+1.2
Industrial machinery and equipment	21,692	21,180	21,323	+2.4	-0.7	-1.2	21,346	20,146	21,600	22,125	-3.5
Electronic and other electrical equipment	13,886	14,085	14,001	-1.4	+0.6	-0.4	13,581	13,522	13,927	13,500	+0.6
Transportation equipment	43,630	43,915	45,285	-0.6	-3.0	-0.1	43,114	42,636	46,354	48,409	-10.9
Instruments and related products	9,945	9,868	10,107	+0.8	-2.4	-0.4	9,682	9,446	10,219	9,719	-0.4
Lumber, furniture and miscellaneous durable goods	5,800	5,701	5,800	+1.7	-1.7	+2.3	5,732	5,536	5,754	5,248	+9.2
Nondurable goods industries	30,400	30,737	30,814	-1.1	-0.2	+0.8	30,215	30,055	31,508	29,406	+2.8
Food and kindred products	6,303	6,264	6,295	+0.6	-0.5	+0.6	6,645	6,658	6,957	6,352	+4.6
Tobacco products	122	123	121	-0.8	+1.7	+14.2	132	127	148	98	+34.7
Textile mill products	2,464	2,453	2,462	+0.4	-0.4	+0.2	2,474	2,374	2,463	2,561	-3.4
Paper and allied products	1,740	1,718	1,776	+1.3	-3.3	+2.4	1,787	1,723	1,712	1,690	+5.7
Chemicals and allied products	8,723	8,878	8,894	-1.7	-0.2	-0.8	8,466	8,636	8,898	8,461	+0.1
Petroleum and coal products	3,092	3,240	3,139	-4.6	+3.2	+8.5	3,008	3,050	3,194	2,256	+33.3
Rubber and plastics products	2,167	2,258	2,234	-4.0	+1.1	-1.1	2,188	2,225	2,261	2,279	-4.0
Apparel, printing and publishing and leather goods	5,789	5,803	5,893	-0.2	-1.5	+0.1	5,515	5,262	5,875	5,709	-3.4
FINISHED GOODS											
All manufacturing industries	169,534	167,951	167,396	+0.9	+0.3	+0.1	168,106	162,244	166,735	160,625	+4.7
Durable goods industries	86,800	85,647	85,082	+1.3	+0.7	+0.2	85,937	81,849	84,244	81,415	+5.6
Stone, clay, and glass products	5,048	5,011	4,988	+0.7	+0.5	-0.3	5,093	4,881	4,782	4,864	+4.7
Primary metals	8,309	8,231	8,252	+0.9	-0.3	+0.2	8,360	8,162	8,161	8,222	+1.7
Fabricated metal products	11,727	11,656	11,671	+0.6	-0.1	+0.7	11,604	11,162	11,358	11,344	+2.3
Industrial machinery and equipment	18,904	18,403	18,539	+2.7	-0.7	+0.3	19,026	17,711	18,683	18,255	+4.2
Electronic and other electrical equipment	11,974	11,972	11,685	0.0	+2.5	+0.2	11,665	11,267	11,681	10,082	+15.7
Transportation equipment	9,965	9,953	9,941	+0.1	+0.1	+1.1	9,680	9,128	9,870	9,503	+1.9
Instruments and related products	8,163	7,961	7,747	+2.5	+2.8	+0.1	7,847	7,644	7,814	7,288	+7.7
Lumber, furniture and miscellaneous durable goods	12,710	12,460	12,259	+2.0	+1.6	-0.8	12,662	11,894	11,895	11,857	+6.8
Nondurable goods industries	82,734	82,304	82,314	+0.5	0.0	0.0	82,169	80,395	82,491	79,210	+3.7
Food and kindred products	21,091	21,062	21,094	+0.1	-0.2	-0.8	20,939	20,797	21,967	20,060	+4.4
Tobacco products	431	449	449	-4.0	0.0	-1.5	523	522	643	788	-33.6
Textile mill products	4,799	4,824	4,718	-0.5	+2.2	+0.4	4,779	4,540	4,575	4,625	+3.3
Paper and allied products	6,767	6,596	6,579	+2.6	+0.3	-0.8	6,760	6,405	6,500	6,686	+1.1
Chemicals and allied products	23,118	22,900	23,010	+1.0	-0.5	+1.8	23,183	22,690	22,936	22,010	+5.3
Petroleum and coal products	5,511	5,553	5,392	-0.8	+3.0	-3.8	5,360	5,338	5,530	4,768	+12.4
Rubber and plastics products	8,251	8,121	8,358	+1.6	-2.8	0.0	8,354	7,928	8,149	7,783	+7.3
Apparel, printing and publishing and leather goods	12,766	12,799	12,714	-0.3	+0.7	0.0	12,271	12,175	12,191	12,490	-1.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Oct. 1999	Jan. 2000[p]	Dec. 1999[r]	Nov. 1999	Oct. 1999
All manufacturing industries	1.27	1.28	1.29	1.30	2.55	2.57	2.54	2.57
Durable goods industries	1.41	1.43	1.44	1.45	2.98	3.01	2.97	2.99
Stone, clay, and glass products	1.12	1.11	1.09	1.11	0.75	0.74	0.73	0.73
Primary metals	1.53	1.54	1.55	1.57	1.99	2.02	2.08	2.13
Fabricated metal products	1.53	1.54	1.51	1.55	1.29	1.31	1.27	1.30
Industrial machinery and equipment	1.47	1.56	1.55	1.52	2.10	2.21	2.18	2.14
Electronic and other electrical equipment	1.15	1.20	1.20	1.21	2.22	2.36	2.25	2.19
Transportation equipment	1.40	1.38	1.46	1.48	9.10	8.39	8.58	8.78
Instruments and related products	1.80	1.79	1.81	1.82	3.06	3.06	3.05	3.09
Nondurable goods industries	1.09	1.09	1.09	1.10	0.65	0.66	0.67	0.68
Food and kindred products	0.93	0.93	0.92	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.17	1.18	1.13	1.15	(X)	(X)	(X)	(X)
Textile mill products	1.51	1.54	1.54	1.52	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.12	1.13	1.17	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.34	1.32	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.70	0.73	0.77	(X)	(X)	(X)	(X)
Rubber and plastics products	1.24	1.22	1.24	1.28	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 2000	Jan.[2] 1995-1999	Jan. 1999-Dec. 1999	Jan.[1] 2000	Jan.[2] 1995-1999	Jan. 1999-Dec. 1999	Jan.[1] 2000	Jan.[2] 1995-1999	Jan. 1999-Dec. 1999	Jan.[1] 2000	Jan.[2] 1995-1999	Jan. 1999-Dec. 1999
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries	-0.9	0.2	0.1	-0.6	0.3	0.4	0.1	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.4	0.4	(X)	0.7	0.4	(X)	0.4	0.4	(X)	0.1	0.2
Primary metals	-0.1	0.3	0.2	1.0	0.8	0.8	0.2	0.4	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.5	0.3	(X)	0.7	0.4	(X)	0.3	0.3	(X)	0.2	0.1
Industrial machinery and equipment	-3.0	0.9	0.4	-2.9	1.2	0.3	0.1	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.5	0.4	0.3	1.0	1.3	0.4	0.5	0.6	(X)	0.1	0.1
Transportation equipment	-0.4	0.4	0.5	-0.4	0.7	1.0	0.1	0.1	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.8	0.6	(X)	0.8	0.8	(X)	0.2	0.3	(X)	0.2	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Tobacco products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.0
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Petroleum and coal products	(X)	0.6	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.4
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-2.3	0.9	0.2	-3.7	0.9	0.5	0.2	0.1	0.1	(X)	0.1	0.1
Defense	-0.9	1.0	0.8	7.9	1.3	5.0	0.0	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

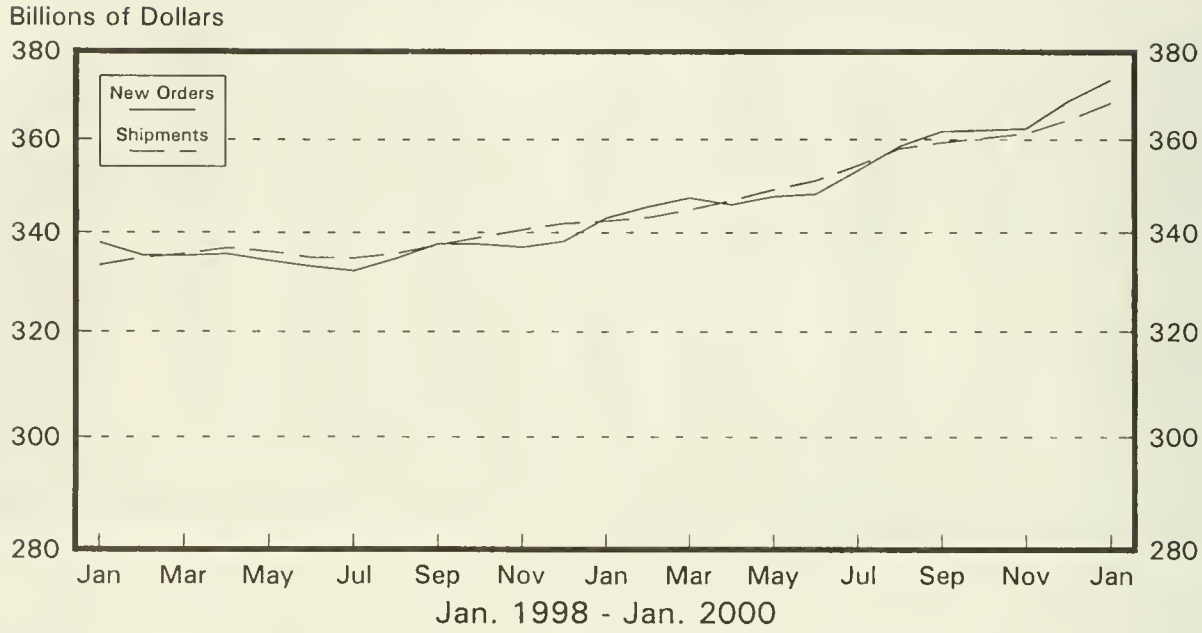
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

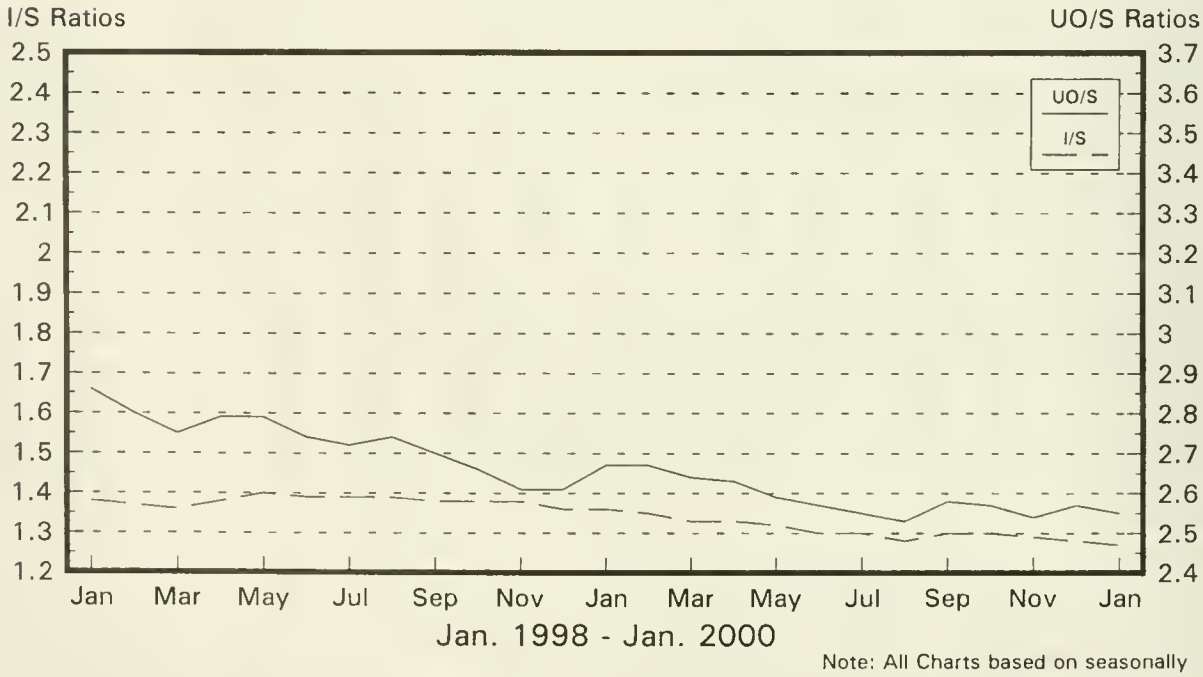
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

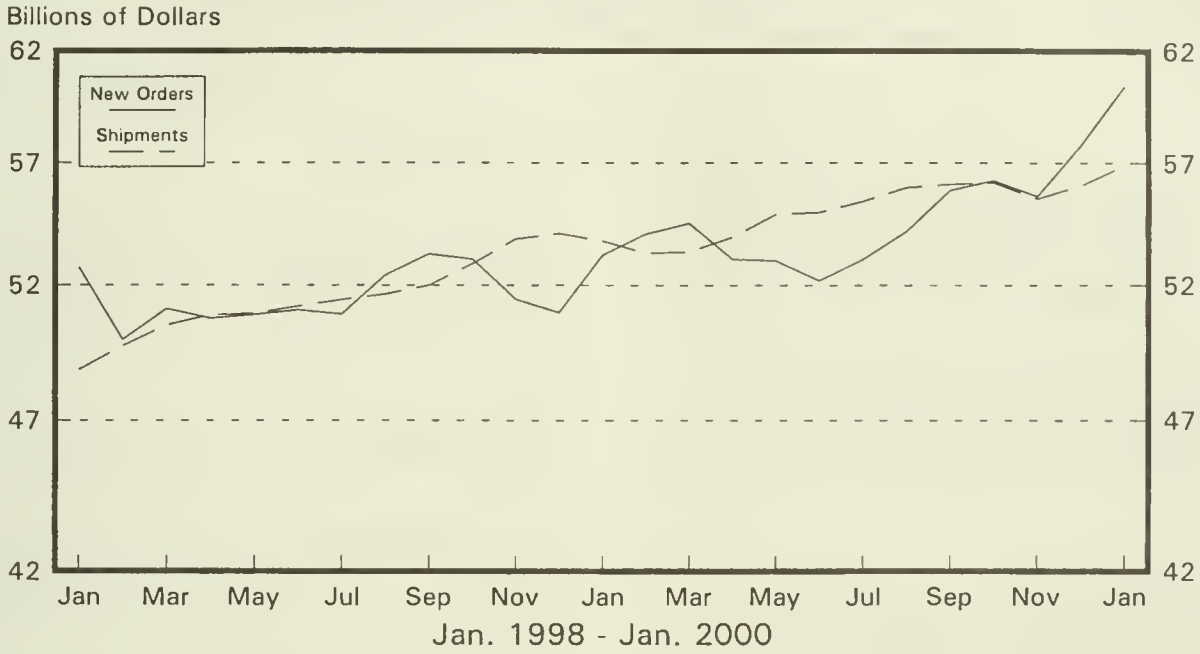
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

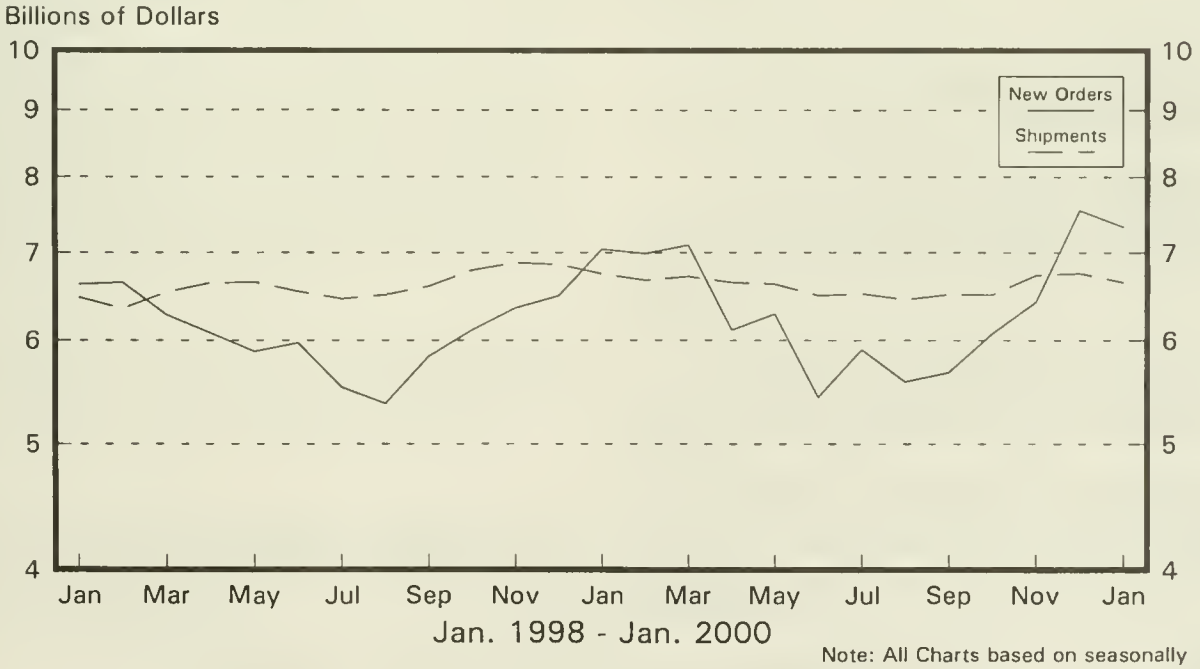
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

February 2000
M3-1-(00)-02
For Wire Transmissions 10:00 a.m. E.S.T. March 31, 2000

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased $2.9 billion or 0.8 percent to $372.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.2 percent January decrease. Excluding transportation, new orders increased 0.5 percent. Year to date, new orders are 7.9 percent above the same period a year ago.

Shipments decreased $1.7 billion or 0.4 percent to $368.9 billion, following a 0.7 percent January increase. This is the first decrease since September 1999. Year to date, shipments are 7.9 percent above the same period a year ago.

Unfilled orders increased $3.1 billion or 0.6 percent to $545.7 billion, following a 0.8 percent January increase. This is the eighth consecutive increase. The unfilled orders-to-shipments ratio was 2.62, up from 2.57 in January.

Inventories increased $3.3 billion or 0.7 percent to $476.1 billion, following a 0.5 percent January increase. This is the sixth consecutive increase. The inventories-to-shipments ratio was 1.29, up from 1.28 in January.

New Orders

New orders for manufactured durable goods in February decreased $5.8 billion or 2.7 percent to $208.2 billion, revised from the previously published 2.3 percent decrease. This is the largest decrease since February 1999.

Transportation equipment, led by aircraft and parts, had the largest decrease, $4.6 billion or 8.9 percent to $46.9 billion. This is the largest decrease since April 1999. Industrial machinery and equipment decreased $2.1 billion or 4.8 percent to $40.9 billion. This is the largest decrease since October 1998. Instruments and related products decreased $0.8 billion or 5.5 percent to $14.5 billion. This is the largest decrease since August 1997. Electronic and other electrical equipment, up seven of the last nine months, increased $2.4 billion or 6.5 percent to $39.8 billion.

New orders for nondurable goods, up eight of the last ten months, increased $2.8 billion or 1.8 percent to $163.8 billion. This is the largest increase since April 1996. Chemicals and allied products had the largest increase.

Shipments

Shipments of durable goods in February decreased $3.9 billion or 1.9 percent to $205.5 billion, revised from the previously published 1.8 percent decrease. This is the first decrease since September 1999. Transportation equipment, led by motor vehicles and parts, had the largest decrease, $1.9 billion or 4.0 percent to $46.7 billion. Industrial machinery and equipment decreased $1.5 billion or 3.7 percent to $39.8 billion. This is the largest decrease since August 1987. Fabricated metal products decreased $0.4 billion or 1.8 percent to $20.3 billion.

Shipments of nondurable goods increased $2.3 billion or 1.4 percent to $163.4 billion. This is the ninth increase in the last ten months. Chemicals and allied products had the largest increase, $0.9 billion or 2.5 percent to $36.5 billion. This is the ninth increase in the last ten months and the largest since June 1999.

Unfilled Orders

Unfilled orders for durable goods in February increased $2.7 billion or 0.5 percent to $519.8 billion, unrevised from the previously published 0.5 percent increase. This is the eighth consecutive increase. Electronic and other electrical equipment had the largest increase, $1.9 billion or 2.2 percent to $86.7 billion, mostly due to electronic components. This is the fourteenth increase in the last fifteenth months. Industrial machinery and equipment, up eight consecutive months, increased $1.1 billion or 1.3 percent to $84.0 billion. Primary metals, down four consecutive months, decreased $0.3 billion or 0.8 percent to $31.6 billion.

Inventories

Inventories of durable goods in February increased $2.4 billion or 0.8 percent to $299.0 billion. This is the sixth consecutive increase and the largest since April 1998.

Transportation equipment, led by aircraft and parts, had the largest increase, $1.0 billion or 1.5 percent to $70.1 billion. This is the largest increase since October 1998. Electronic and other electrical equipment, up twelve of the last thirteen months, increased $0.6 billion or 1.3 percent to $44.2 billion.

Inventories of nondurable goods, up eleven of the last twelve months, increased $0.9 billion or 0.5 percent to $177.1 billion. All nondurable major groups increased, except apparel and related products and leather and leather products.

By stage of fabrication, February finished goods increased 0.5 percent in durables and 0.6 percent in nondurables. Work in process increased 0.7 percent in durables and 1.2 percent in nondurables. Materials and supplies increased 1.3 percent in durables and 0.2 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for March is scheduled for April 26, 2000 at 8:30 a.m. and the full report on May 3, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99	2000[p]	1999
All manufacturing industries	368,910	370,565	367,872	-0.4	+0.7	+0.8	364,533	333,352	365,926	341,000	+6.9	697,885	648,582
Manufacturing Industries													
with unfilled orders	208,528	211,102	209,080	-1.2	+1.0	+0.9	205,205	185,961	215,652	194,347	+5.6	391,166	367,908
without defense capital goods	362,917	364,312	361,351	-0.4	+0.8	+1.0	358,590	328,283	358,396	334,246	+7.3	686,873	636,334
Durable goods industries	205,534	209,442	206,480	-1.9	+1.4	+1.0	204,751	184,327	209,219	194,919	+5.0	389,078	365,367
With unfilled orders	169,728	172,674	170,241	-1.7	+1.4	+0.9	167,098	150,541	177,151	157,833	+5.9	317,639	297,093
Stone, clay, and glass products	8,920	8,893	8,900	+0.3	-0.1	-1.1	8,401	7,743	7,957	7,961	+5.5	16,144	15,080
Primary metals	15,906	16,091	15,763	-1.1	+2.1	+1.2	16,354	15,333	14,447	14,635	+11.7	31,687	28,221
Blast furnaces, steel mills	6,123	6,198	6,094	-1.2	+1.7	+0.6	6,369	6,033	5,587	5,776	+10.3	12,402	11,012
Iron and steel foundries	1,477	1,624	1,575	-9.1	+3.1	+4.3	1,537	1,498	1,347	1,587	-3.2	3,035	2,984
Nonferrous and other primary metals	8,306	8,269	8,094	+0.4	+2.2	+1.1	8,448	7,802	7,513	7,272	+16.2	16,250	14,225
Fabricated metal products	20,300	20,673	20,385	-1.8	+1.4	-1.6	20,406	18,765	18,867	20,585	-0.9	39,171	39,142
Industrial machinery and equipment	39,784	41,311	38,698	-3.7	+6.8	-1.0	38,418	34,358	42,025	35,722	+7.5	72,776	66,067
Engines and turbines	2,765	3,248	2,561	-14.9	+26.8	-4.3	2,559	2,412	3,219	2,291	+11.7	4,971	4,185
Farm and garden machinery	1,896	1,892	1,854	+0.2	+2.0	+5.6	2,288	1,733	1,354	2,275	+0.6	4,021	4,008
Construction, mining and material handling equipment	3,873	3,998	3,829	-3.1	+4.4	+3.8	4,043	3,580	3,652	4,095	-1.3	7,623	7,576
Metalworking machinery	3,629	3,800	3,728	-4.5	+1.9	-2.7	3,402	2,973	3,890	3,383	+0.6	6,375	6,077
Computer and office equipment	12,556	12,767	11,077	-1.7	+15.3	-8.0	11,088	9,525	14,410	9,798	+13.2	20,613	17,831
Electronic and other electrical equipment	37,886	38,035	36,281	-0.4	+4.8	+1.9	36,835	32,417	40,817	31,196	+18.1	69,252	59,007
Electrical transmission and distribution equipment and industrial apparatus	4,092	4,139	3,971	-1.1	+4.2	+2.5	4,180	3,614	3,957	3,676	+13.7	7,794	6,852
Household appliances	2,481	2,474	2,369	+0.3	+4.4	-2.3	2,455	2,019	2,296	2,346	+4.6	4,474	4,171
Electric lighting and wiring equipment	2,528	2,585	2,649	-2.2	-2.4	+3.6	2,520	2,252	2,941	2,286	+10.2	4,772	4,252
Household audio and video equipment	1,131	1,118	988	+1.2	+13.2	+1.3	1,040	962	955	952	+9.2	2,002	1,882
Communications equipment	9,683	9,814	8,819	-1.3	+11.3	+2.7	8,910	7,617	12,160	6,876	+29.6	16,527	13,010
Electronic components	15,865	15,456	15,161	+2.6	+1.9	+1.2	15,718	13,909	16,234	12,885	+22.0	29,627	24,878
Transportation equipment	46,715	48,663	50,125	-4.0	-2.9	+3.7	49,072	44,448	48,564	50,526	-2.9	93,520	93,172
Motor vehicles and parts	32,840	34,317	34,189	-4.3	+0.4	+2.9	35,705	32,552	30,109	35,628	+0.2	68,257	65,732
Aircraft, missiles, space vehicles, and parts	10,350	10,989	11,788	-5.8	-6.8	+2.7	9,922	9,057	14,445	11,734	-15.4	18,979	21,804
Shipbuilding and tanks	1,044	1,069	912	-2.3	+17.2	-9.1	1,020	866	1,058	879	+16.0	1,886	1,665
Instruments and related products	14,645	14,645	15,169	0.0	-3.5	+1.2	14,343	12,717	16,385	13,874	+3.4	27,060	26,158
Search and navigation equipment	3,038	3,117	3,191	-2.5	-2.3	+3.0	3,052	2,659	3,555	3,137	-2.7	5,711	5,865
Measuring and controlling devices	4,539	4,404	4,652	+3.1	-5.3	+4.0	4,566	3,920	4,972	4,149	+10.1	8,486	7,782
Medical instruments and supplies	4,626	4,661	4,823	-0.8	-3.4	-1.5	4,500	4,096	5,295	4,594	-2.0	8,596	8,635
Photographic goods	1,950	1,973	2,011	-1.2	-1.9	-0.8	1,757	1,614	2,091	1,511	+16.3	3,371	2,990
All other durable goods	21,378	21,131	21,159	+1.2	-0.1	+0.1	20,922	18,546	20,157	20,420	+2.5	39,468	38,520
Nondurable goods industries	163,376	161,123	161,392	+1.4	-0.2	+0.5	159,782	149,025	156,707	146,081	+9.4	308,807	283,215
With unfilled orders	38,800	38,428	38,839	+1.0	-1.1	+1.0	38,107	35,420	38,501	36,514	+4.4	73,527	70,815
Food and kindred products	42,059	41,598	42,176	+1.1	-1.4	-0.4	40,926	38,906	41,652	40,346	+1.4	79,832	79,156
Meat products	9,583	9,230	9,425	+3.8	-2.1	-0.2	9,431	8,632	9,413	8,337	+13.1	18,063	16,406
Dairy products	6,109	6,012	6,336	+1.6	-5.1	-3.2	5,951	5,836	6,256	6,408	-7.1	11,787	12,916
Beverages	6,558	6,577	6,374	-0.3	+3.2	-1.6	5,927	5,727	5,914	5,658	+4.8	11,654	11,054
All other foods, except fats and oils	17,992	18,044	18,178	-0.3	-0.7	+0.8	17,800	16,976	18,206	17,985	-1.0	34,776	34,895
Tobacco products	4,312	4,310	4,324	0.0	-0.3	-3.4	4,281	4,100	4,016	4,069	+5.2	8,381	7,889
Textile mill products	6,615	6,462	6,615	+2.4	-2.3	+1.1	6,446	5,592	5,966	6,268	+2.8	12,038	12,037
Broadwoven fabrics and other textiles	3,676	3,538	3,651	+3.9	-3.1	-0.8	3,663	3,156	3,433	3,680	-0.5	6,819	7,161
Paper and allied products	14,314	14,168	14,376	+1.0	-1.4	+0.8	14,427	13,650	14,095	13,749	+4.9	28,077	26,680
Pulp, paper, and paperboard mill products	5,848	5,731	5,697	+2.0	+0.6	+1.1	5,923	5,545	5,622	5,265	+12.5	11,468	10,248
Paperboard containers and boxes	3,809	3,782	3,707	+0.7	+2.0	+2.1	3,846	3,671	3,521	3,386	+13.6	7,517	6,661
Miscellaneous converted paper products	4,657	4,655	4,972	0.0	-6.4	-0.5	4,658	4,434	4,952	5,098	-8.6	9,092	9,771
Chemicals and allied products	36,541	35,658	35,636	+2.5	+0.1	-0.8	35,917	33,656	35,458	32,585	+10.2	69,573	63,386
Industrial chemicals	16,179	15,903	16,066	+1.7	-1.0	-0.9	16,459	15,223	15,680	14,938	+10.2	31,682	29,042
Drugs, soaps, and toiletries	16,320	15,809	15,555	+3.2	+1.6	-1.2	15,465	14,997	16,414	13,883	+11.4	30,462	27,341
Petroleum and coal products	18,742	18,308	17,414	+2.4	+5.1	+4.7	17,087	16,231	17,075	10,137	+68.6	33,318	19,956
Rubber and plastics products	14,371	14,304	14,400	+0.5	-0.7	+0.4	14,657	13,243	12,978	13,907	+5.4	27,900	26,114
All other nondurable goods	26,422	26,315	26,451	+0.4	-0.5	+1.8	26,041	23,647	25,467	25,020	+4.1	49,688	47,997

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99	2000[p]	1999
All manufacturing industries	372,031	374,967	379,485	-0.8	-1.2	+3.8	367,680	347,838	376,534	339,552	+8.3	715,518	665,145
Manufacturing industries with unfilled orders	211,649	215,504	220,693	-1.8	-2.4	+6.2	208,352	200,447	226,260	192,899	+8.0	408,799	384,471
without defense capital goods	365,273	368,155	370,622	-0.8	-0.7	+3.1	361,226	340,391	364,867	334,897	+7.9	701,617	651,946
Durable goods industries	208,219	213,982	218,167	-2.7	-1.9	+6.5	207,541	198,898	220,085	193,524	+7.2	406,439	381,532
With unfilled orders	172,413	177,214	181,928	-2.7	-2.6	+7.6	169,888	165,112	188,017	156,438	+8.6	335,000	313,258
Stone, clay, and glass products	8,903	9,077	8,917	-1.9	+1.8	-2.4	8,400	8,075	7,991	7,946	+5.7	16,475	15,228
Primary metals	15,645	16,065	15,346	-2.6	+4.7	-1.2	17,049	16,385	14,859	16,011	+6.5	33,434	29,965
Blast furnaces, steel mills	6,104	6,254	5,896	-2.4	+6.1	-6.6	6,882	6,732	5,788	6,603	+4.2	13,614	11,980
Iron and steel foundries	1,481	1,624	1,599	-8.8	+1.6	+17.4	1,623	1,624	1,459	1,564	+3.8	3,247	3,059
Nonferrous and other primary metals	8,060	8,187	7,851	-1.6	+4.3	-0.2	8,544	8,029	7,612	7,844	+8.9	16,573	14,926
Fabricated metal products	20,271	20,627	20,880	-1.7	-1.2	+1.3	20,523	19,124	19,402	20,746	-1.1	39,647	39,866
Industrial machinery and equipment	40,858	42,937	38,716	-4.8	+10.9	-1.6	39,713	36,974	41,425	36,232	+9.6	76,687	68,089
Engines and turbines	3,153	3,326	2,633	-5.2	+26.3	-5.4	2,681	2,415	3,194	2,603	+3.0	5,096	4,759
Construction, mining and material handling equipment	3,880	4,010	3,736	-3.2	+7.3	-5.8	4,266	3,922	3,671	4,240	+0.6	8,188	8,011
Metalworking machinery	3,782	4,252	3,462	-11.1	+22.8	-2.0	3,555	3,425	3,624	3,511	+1.3	6,980	6,322
Computer and office equipment	12,742	12,666	11,712	+0.6	+8.1	-2.2	11,409	9,297	14,755	9,637	+18.4	20,706	17,658
Electronic and other electrical equipment	39,779	37,364	41,524	+6.5	-10.0	+5.5	37,778	36,135	43,695	30,336	+24.5	73,913	65,088
Electrical transmission and distribution equipment and industrial apparatus	4,030	4,159	4,013	-3.1	+3.6	+1.1	4,226	3,824	3,928	3,823	+10.5	8,050	7,070
Electric lighting and wiring equipment	2,589	2,873	2,686	-9.9	+7.0	+9.1	2,581	2,540	2,978	2,318	+11.3	5,121	4,386
Communications equipment	9,818	10,527	11,160	-6.7	-5.7	+14.5	9,180	8,057	14,607	7,393	+24.2	17,237	13,647
Electronic components	17,513	13,781	17,721	+27.1	-22.2	+0.5	16,079	16,143	16,472	11,466	+40.2	32,222	29,474
Transportation equipment	46,858	51,438	55,650	-8.9	-7.6	+23.9	48,918	49,609	55,238	47,632	+2.7	98,527	97,660
Aircraft, missiles, space vehicles, and parts	9,948	12,815	15,354	-22.4	-16.5	+77.9	9,111	12,855	19,021	9,641	-5.5	21,966	24,682
Shipbuilding and tanks	1,647	850	2,241	+93.8	-62.1	113.6	1,693	651	2,288	389	335.2	2,344	2,198
Instruments and related products	14,470	15,306	15,903	-5.5	-3.8	+7.3	14,177	13,839	17,807	14,012	+1.2	28,016	26,818
Search and navigation equipment	2,913	3,190	3,429	-8.7	-7.0	+20.5	2,947	2,852	4,472	3,194	-7.7	5,799	5,922
Measuring and controlling devices	4,503	4,627	4,909	-2.7	-5.7	+10.8	4,530	4,143	5,229	4,245	+6.7	8,673	8,001
Medical instruments and supplies	4,622	5,037	5,043	-8.2	-0.1	+0.9	4,414	4,816	5,509	4,492	-1.7	9,230	8,965
All other durable goods	21,435	21,168	21,231	+1.3	-0.3	+0.7	20,983	18,757	19,668	20,609	+1.8	39,740	38,818
Nondurable goods industries	163,812	160,985	161,318	+1.8	-0.2	+0.3	160,139	148,940	156,449	146,028	+9.7	309,079	283,613
With unfilled orders	39,236	38,290	38,765	+2.5	-1.2	+0.1	38,464	35,335	38,243	36,461	+5.5	73,799	71,213

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99
All manufacturing industries	545,740	542,619	538,217	+0.6	+0.8	+2.2	550,324	547,177	532,691	529,549	+3.9
Manufacturing industries without defense capital goods	450,630	448,274	444,431	+0.5	+0.9	+2.1	453,795	451,159	439,051	432,885	+4.8
Durable goods industries	519,760	517,075	512,535	+0.5	+0.9	+2.3	525,140	522,350	507,779	506,205	+3.7
Stone, clay, and glass products	6,497	6,514	6,330	-0.3	+2.9	+0.3	6,568	6,569	6,237	6,219	+5.6
Primary metals	31,625	31,886	31,912	-0.8	-0.1	-1.3	32,868	32,173	31,121	30,591	+7.4
Blast furnaces, steel mills	13,121	13,140	13,084	-0.1	+0.4	-1.5	13,845	13,332	12,633	12,003	+15.3
Iron and steel foundries	4,743	4,739	4,739	+0.1	0.0	+0.5	4,876	4,790	4,664	5,427	-10.2
Nonferrous and other primary metals	13,761	14,007	14,089	-1.8	-0.6	-1.7	14,147	14,051	13,824	13,161	+7.5
Fabricated metal products	25,129	25,158	25,204	-0.1	-0.2	+2.0	25,224	25,107	24,748	26,158	-3.6
Industrial machinery and equipment	83,998	82,924	81,298	+1.3	+2.0	0.0	85,138	83,843	81,227	76,463	+11.3
Engines and turbines	24,680	24,292	24,214	+1.6	+0.3	+0.3	24,923	24,801	24,798	19,299	+29.1
Construction, mining and material handling equipment	8,794	8,787	8,775	+0.1	+0.1	-1.0	9,144	8,921	8,579	10,068	-9.2
Metalworking machinery	7,095	6,942	6,490	+2.2	+7.0	-3.9	7,095	6,942	6,490	6,691	+6.0
Computer and office equipment	8,911	8,725	8,826	+2.1	-1.1	+7.8	8,774	8,453	8,681	7,768	+13.0
Electronic and other electrical equipment	86,688	84,795	85,466	+2.2	-0.8	+6.5	88,348	87,405	83,687	63,887	+38.3
Electrical transmission and distribution equipment and industrial apparatus	7,026	7,088	7,068	-0.9	+0.3	+0.6	7,152	7,106	6,896	6,399	+11.8
Electric lighting and wiring equipment	5,381	5,320	5,032	+1.1	+5.7	+0.7	5,381	5,320	5,032	5,156	+4.4
Communications equipment	25,803	25,668	24,955	+0.5	+2.9	+10.4	26,333	26,063	25,623	17,694	+48.8
Electronic components	42,459	40,811	42,486	+4.0	-3.9	+6.4	43,069	42,708	40,474	28,251	+52.5
Transportation equipment	230,379	230,236	227,461	+0.1	+1.2	+2.5	231,389	231,543	226,382	247,072	-6.3
Aircraft, missiles, space vehicles, and parts	192,840	193,242	191,416	-0.2	+1.0	+1.9	193,495	194,306	190,508	206,886	-6.5
Shipbuilding and tanks	20,004	19,401	19,620	+3.1	-1.1	+7.3	19,986	19,313	19,528	19,855	+0.7
Instruments and related products	46,901	47,076	46,415	-0.4	+1.4	+1.6	47,452	47,618	46,496	47,845	-0.8
Search and navigation equipment	25,274	25,399	25,326	-0.5	+0.3	+0.9	25,508	25,613	25,420	26,485	-3.7
Measuring and controlling devices	10,319	10,355	10,132	-0.3	+2.2	+2.6	10,319	10,355	10,132	10,404	-0.8
Medical instruments and supplies	10,388	10,392	10,016	0.0	+3.8	+2.2	10,669	10,755	10,035	9,916	+7.6
All other durable goods	8,543	8,486	8,449	+0.7	+0.4	+0.9	8,153	8,092	7,881	7,970	+2.3
Nondurable goods industries	25,980	25,544	25,682	+1.7	-0.5	-0.3	25,184	24,827	24,912	23,344	+7.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99
All manufacturing industries	476,052	472,706	470,377	+0.7	+0.5	+0.1	478,780	470,443	460,048	466,680	+2.6
anufacturing industries											
ith unfilled orders	314,769	312,230	310,668	+0.8	+0.5	0.0	315,497	309,063	301,638	311,232	+1.4
ithout defense capital goods	456,499	453,034	451,145	+0.8	+0.4	0.0	459,247	450,992	441,436	447,999	+2.5
rable goods industries	298,974	296,566	295,034	+0.8	+0.5	0.0	300,915	294,560	287,124	295,766	+1.7
Vith unfilled orders	273,416	271,094	269,759	+0.9	+0.5	0.0	274,390	268,545	262,050	270,750	+1.3
one, clay, and glass products	10,063	10,020	9,888	+0.4	+1.3	+0.7	10,326	10,088	9,682	9,499	+8.7
mary metals	24,637	24,647	24,255	0.0	+1.6	+0.7	24,751	24,839	24,445	24,258	+2.0
Blast furnaces, steel mills	11,671	11,629	11,507	+0.4	+1.1	+0.8	11,693	11,839	11,792	11,779	-0.7
Iron and steel foundries	1,593	1,597	1,617	-0.3	-1.2	-0.2	1,624	1,586	1,580	1,652	-1.7
Nonferrous and other primary metals	11,373	11,421	11,131	-0.4	+2.6	+0.7	11,434	11,414	11,073	10,827	+5.6
bricated metal products	31,892	31,669	31,401	+0.7	+0.9	+0.1	31,933	31,468	30,846	30,909	+3.3
lustrial machinery and equipment	60,925	60,693	60,406	+0.4	+0.5	-0.1	62,009	60,294	58,283	61,627	+0.6
Engines and turbines	4,633	4,603	4,615	+0.7	-0.3	-0.7	4,625	4,409	4,228	4,127	+12.1
Farm and garden machinery	3,836	3,848	3,847	-0.3	0.0	+3.6	4,320	4,269	4,085	4,176	+3.4
Construction, mining and material handling equipment	8,962	8,911	8,951	+0.6	-0.4	+0.4	9,135	8,936	8,765	9,256	-1.3
Metalworking machinery	8,127	8,059	8,023	+0.8	+0.4	0.0	8,046	7,814	7,509	7,867	+2.3
Computer and office equipment	8,537	8,675	8,857	-1.6	-2.1	-0.3	8,725	8,331	8,179	9,372	-6.9
ctronic and other ectrical equipment	44,193	43,612	43,611	+1.3	0.0	+2.2	44,262	42,970	42,063	40,123	+10.3
Electrical transmission and distribution equipment and industrial apparatus	5,403	5,434	5,393	-0.6	+0.8	+0.4	5,512	5,482	5,315	5,455	+1.0
lousehold appliances	2,528	2,523	2,502	+0.2	+0.8	+2.7	2,630	2,477	2,260	2,486	+5.8
Electric lighting and wiring equipment	3,898	3,804	3,768	+2.5	+1.0	+0.4	3,885	3,698	3,568	3,441	+12.9
lousehold audio and video equipment	1,083	1,094	1,143	-1.0	-4.3	+1.8	1,050	1,057	1,077	988	+6.3
Communications equipment	11,848	11,651	12,108	+1.7	-3.8	+3.8	11,704	11,383	11,638	9,715	+20.5
lectronic components	15,558	15,310	14,935	+1.6	+2.5	+2.1	15,623	15,163	14,603	14,401	+8.5
nsportation equipment	70,111	69,071	69,069	+1.5	0.0	-1.9	70,277	68,357	66,729	74,203	-5.3
Motor vehicles and parts	18,204	17,992	17,982	+1.2	+0.1	+0.4	18,248	17,899	17,506	17,026	+7.2
Aircraft, missiles, space vehicles, and parts	45,600	44,787	45,173	+1.8	-0.9	-2.1	45,694	44,184	43,469	51,217	-10.8
hipbuilding and tanks	2,443	2,403	2,373	+1.7	+1.3	+4.2	2,457	2,416	2,350	1,907	+28.8
ruments and related products	27,378	27,282	27,180	+0.4	+0.4	+0.4	27,222	26,716	26,267	26,604	+2.3
earch and navigation equipment	6,794	6,917	6,896	-1.8	+0.3	-1.3	6,710	6,747	6,660	6,661	+0.7
Measuring and controlling devices	8,337	8,182	8,232	+1.9	-0.6	+0.8	8,317	8,038	8,012	7,969	+4.4
Medical instruments and supplies	9,150	9,095	8,987	+0.6	+1.2	+1.7	9,107	8,973	8,725	8,567	+6.3
hotographic goods	2,376	2,362	2,346	+0.6	+0.7	0.0	2,372	2,244	2,160	2,661	-10.9
other durable goods	29,775	29,572	29,224	+0.7	+1.2	+0.6	30,135	29,828	28,809	28,543	+5.6
durable goods industries	177,078	176,140	175,343	+0.5	+0.5	+0.3	177,865	175,883	172,924	170,914	+4.1
Vith unfilled orders	41,353	41,136	40,909	+0.5	+0.6	+0.1	41,107	40,518	39,588	40,482	+1.5
d and kindred products	39,138	39,021	39,033	+0.3	0.0	+0.6	39,368	39,436	39,250	37,974	+3.7
leat products	4,426	4,458	4,468	-0.7	-0.2	-0.3	4,527	4,403	4,216	4,268	+6.1
airy products	3,976	3,828	3,834	+3.9	-0.2	-1.2	3,973	3,776	3,575	3,910	+1.6
everages	8,826	8,872	8,989	-0.5	-1.3	+3.4	8,858	8,877	8,903	8,602	+3.0
ll other foods, except fats and oils	20,299	20,254	20,133	+0.2	+0.6	+0.1	20,313	20,694	20,918	19,258	+5.5
acco products	5,288	5,163	5,101	+2.4	+1.2	+0.5	5,745	5,659	5,493	5,947	-3.4
tile mill products	10,173	10,131	10,163	+0.4	-0.3	+0.6	10,288	10,109	9,756	10,129	+1.6
roadwoven fabrics and other textiles	6,090	6,076	6,136	+0.2	-1.0	+0.4	6,186	6,121	5,954	6,343	-2.5
er and allied products	16,535	16,381	16,068	+0.9	+1.9	-0.4	16,671	16,429	15,955	16,197	+2.9
ulp, paper, and paperboard mill products	6,388	6,378	6,328	+0.2	+0.8	+1.0	6,500	6,443	6,298	6,700	-3.0
aperboard containers and boxes	4,370	4,336	4,164	+0.8	+4.1	-1.7	4,406	4,352	4,173	3,975	+10.8
Miscellaneous converted paper products	5,777	5,667	5,576	+1.9	+1.6	-1.0	5,765	5,634	5,484	5,522	+4.4
micals and allied products	47,755	47,626	47,603	+0.3	0.0	+0.4	48,276	47,440	47,055	46,841	+3.1
dustrial chemicals	19,495	19,417	19,480	+0.4	-0.3	-0.2	19,739	19,591	19,673	19,554	+0.9
rugs, soaps, and toiletries	22,366	22,279	22,172	+0.4	+0.5	+1.0	22,247	21,619	21,432	21,045	+5.7
oleum and coal products	13,000	12,805	12,247	+1.5	+4.6	+0.6	12,651	12,489	11,741	9,724	+30.1
ber and plastics products	17,790	17,581	17,589	+1.2	0.0	-1.0	18,169	17,746	17,456	17,095	+6.3
other nondurable goods	27,399	27,432	27,539	-0.1	-0.4	+0.5	26,697	26,575	26,218	27,007	-1.1

Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	368,910	370,565	367,872	-0.4	+0.7	+0.8	364,533	333,352	365,926	341,000	+6.9	697,885	648,582
Market categories :													
Automotive equipment	16,254	17,000	16,900	-4.4	+0.6	+3.0	17,418	15,803	14,907	17,256	+0.9	33,221	31,591
Home goods and apparel	20,809	20,857	20,653	-0.2	+1.0	+2.1	20,894	17,908	18,537	19,763	+5.7	38,802	36,536
Consumer staples	78,402	77,046	76,912	+1.8	+0.2	-0.1	75,144	71,629	77,026	67,997	+10.5	146,773	133,373
Machinery and equipment	69,467	71,852	69,839	-3.3	+2.9	+2.5	67,313	60,337	77,493	64,180	+4.9	127,650	119,473
Business supplies	27,678	27,398	27,732	+1.0	-1.2	+0.8	26,994	24,954	27,595	25,461	+6.0	51,948	49,113
Construction materials and supplies	23,630	23,718	23,601	-0.4	+0.5	-0.2	22,632	20,633	21,833	21,548	+5.0	43,265	40,770
Defense products	6,276	6,496	6,743	-3.4	-3.7	-9.7	6,280	5,364	7,598	7,001	-10.3	11,644	12,764
Other materials, supplies and and intermediate products	126,394	126,198	125,492	+0.2	+0.6	+0.8	127,858	116,724	120,937	117,794	+8.5	244,582	224,962
Durable goods industries :													
Nondefense capital goods [3]	56,899	58,867	56,587	-3.3	+4.0	+2.4	53,798	47,981	66,365	50,014	+7.6	101,779	93,026
Excluding aircraft and parts	49,566	51,134	48,304	-3.1	+5.9	+0.8	46,814	41,508	55,997	41,929	+11.7	88,322	77,833
Defense capital goods [4]	5,993	6,253	6,521	-4.2	-4.1	-8.9	5,943	5,069	7,530	6,754	-12.0	11,012	12,248
Durables excluding capital goods	142,642	144,322	143,372	-1.2	+0.7	+0.9	145,010	131,277	135,324	138,151	+5.0	276,287	260,093
Miscellaneous series :													
Producers' durable equipment	132,499	136,609	134,223	-3.0	+1.8	+1.7	132,338	119,137	137,780	127,867	+3.5	251,475	238,241
Household durable goods	11,074	11,117	10,868	-0.4	+2.3	+0.9	10,990	9,460	10,493	10,162	+8.1	20,450	18,627
Information technology industries	29,570	29,857	27,473	-1.0	+8.7	-2.1	27,169	23,464	34,580	23,214	+17.0	50,633	43,340
Health care equipment and products	13,470	13,234	13,259	+1.8	-0.2	-1.3	12,898	12,226	14,173	12,146	+6.2	25,124	23,493
NEW ORDERS													
All manufacturing industries	372,031	374,967	379,485	-0.8	-1.2	+3.8	367,680	347,838	376,534	339,552	+8.3	715,518	665,145
Market categories :													
Automotive equipment	16,240	16,964	16,945	-4.3	+0.1	+3.7	17,416	15,892	14,994	17,200	+1.3	33,308	31,807
Home goods and apparel	20,822	21,033	20,576	-1.0	+2.2	+1.6	21,127	18,646	18,078	20,139	+4.9	39,773	37,304
Consumer staples	78,621	76,961	76,958	+2.2	0.0	-0.2	75,144	71,483	77,094	67,713	+11.0	146,627	133,307
Machinery and equipment	69,831	76,524	75,620	-8.7	+1.2	+12.0	68,206	66,392	82,621	64,574	+5.6	134,598	125,081
Business supplies	27,806	27,247	27,796	+2.1	-2.0	+0.8	26,976	24,873	27,576	25,250	+6.8	51,849	49,278
Construction materials and supplies	23,642	24,125	23,643	-2.0	+2.0	+0.3	22,743	21,279	21,905	21,798	+4.3	44,022	41,292
Defense products	7,086	6,709	8,848	+5.6	-24.2	+37.2	6,765	7,147	11,471	4,886	+38.5	13,912	13,606
Other materials, supplies and and intermediate products	127,983	125,404	129,099	+2.1	-2.9	+1.9	129,303	122,126	122,795	117,992	+9.6	251,429	233,470
Durable goods industries :													
Nondefense capital goods [3]	57,311	63,350	62,639	-9.5	+1.1	+15.2	54,623	53,637	71,776	50,791	+7.5	108,260	98,783
Excluding aircraft and parts	50,221	54,272	51,294	-7.5	+5.8	+5.4	47,882	45,819	58,346	43,539	+10.0	93,701	81,421
Defense capital goods [4]	6,758	6,812	8,863	-0.8	-23.1	+45.5	6,454	7,447	11,667	4,655	+38.6	13,901	13,199
Durables excluding capital goods	144,150	143,820	146,665	+0.2	-1.9	+1.6	146,464	137,814	136,642	138,078	+6.1	284,278	269,550
Miscellaneous series :													
Producers' durable equipment	132,917	141,595	140,099	-6.1	+1.1	+6.8	133,425	127,145	142,663	127,342	+4.8	260,570	245,382
Household durable goods	11,109	11,148	10,958	-0.3	+1.7	+1.8	11,113	10,002	10,252	10,311	+7.8	21,115	19,166
Information technology industries	29,380	30,460	30,810	-3.5	-1.1	+7.8	27,171	23,942	37,639	24,249	+12.0	51,113	44,492
Health care equipment and products	13,467	13,611	13,481	-1.1	+1.0	-0.4	12,813	12,946	14,386	12,044	+6.4	25,759	23,822

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99
UNFILLED ORDERS											
All manufacturing industries	545,740	542,619	538,217	+0.6	+0.8	+2.2	550,324	547,177	532,691	529,549	+3.9
larket categories :											
Automotive equipment	2,477	2,491	2,527	-0.6	-1.4	+1.8	2,572	2,574	2,486	2,621	-1.9
Home goods and apparel	9,450	9,436	9,260	+0.1	+1.9	-0.8	9,579	9,346	8,608	9,079	+5.5
Consumer staples	3,233	3,014	3,100	+7.3	-2.8	+1.5	2,920	2,919	3,066	2,196	+33.0
Machinery and equipment	245,234	244,870	240,198	+0.1	+1.9	+2.5	246,139	245,246	239,191	246,179	0.0
Business supplies	7,420	7,292	7,444	+1.8	-2.0	+0.9	7,097	7,114	7,196	6,686	+6.1
Construction materials and supplies	18,070	18,057	17,650	+0.1	+2.3	+0.2	18,125	18,014	17,368	17,763	+2.0
Defense products	90,020	89,210	88,997	+0.9	+0.2	+2.4	91,351	90,866	89,083	91,758	-0.4
Other materials, supplies and and intermediate products	169,836	168,249	169,041	+0.9	-0.5	+2.2	172,541	171,098	165,693	153,267	+12.6
urable goods industries :											
Nondefense capital goods [3]	261,920	261,508	257,025	+0.2	+1.7	+2.4	263,076	262,251	256,595	262,839	+0.1
Excluding aircraft and parts	119,441	118,786	115,648	+0.6	+2.7	+2.7	120,597	119,529	115,218	110,165	+9.5
Defense capital goods [4]	95,110	94,345	93,786	+0.8	+0.6	+2.6	96,529	96,018	93,640	96,664	-0.1
Durables excluding capital goods	162,730	161,222	161,724	+0.9	-0.3	+2.1	165,535	164,081	157,544	146,702	+12.8
iscellaneous series :											
Producers' durable equipment	283,691	283,273	278,287	+0.1	+1.8	+2.2	285,621	284,534	276,526	286,645	-0.4
Household durable goods	5,922	5,887	5,856	+0.6	+0.5	+1.6	6,111	5,988	5,446	5,700	+7.2
Information technology industries	45,424	45,614	45,011	-0.4	+1.3	+8.0	45,327	45,325	44,847	40,268	+12.6
Health care equipment and products	10,432	10,435	10,058	0.0	+3.7	+2.3	10,710	10,795	10,076	9,954	+7.6
TOTAL INVENTORIES											
All manufacturing industries	476,052	472,706	470,377	+0.7	+0.5	+0.1	478,780	470,443	460,048	466,680	+2.6
arket categories :											
Automotive equipment	9,003	8,886	8,829	+1.3	+0.6	-1.3	9,045	8,769	8,411	8,570	+5.5
Home goods and apparel	31,862	31,835	31,861	+0.1	-0.1	+0.6	31,736	31,521	30,522	31,434	+1.0
Consumer staples	77,608	77,086	76,594	+0.7	+0.6	+0.7	77,839	76,948	75,925	73,478	+5.9
Machinery and equipment	116,124	114,800	115,566	+1.2	-0.7	-1.3	117,086	113,361	111,057	119,200	-1.8
Business supplies	28,931	28,667	28,412	+0.9	+0.9	-0.4	28,724	28,175	27,461	27,779	+3.4
Construction materials and supplies	31,131	30,875	30,556	+0.8	+1.0	+0.9	31,489	30,888	29,968	29,050	+8.4
Defense products	19,043	19,091	18,718	-0.3	+2.0	+3.1	18,984	18,923	18,171	18,267	+3.9
Other materials, supplies and and intermediate products	162,350	161,466	159,841	+0.5	+1.0	+0.4	163,877	161,858	158,533	158,902	+3.1
rable goods industries :											
Nondefense capital goods [3]	106,481	105,326	106,269	+1.1	-0.9	-1.7	107,066	103,715	101,952	110,960	-3.5
Excluding aircraft and parts	73,858	73,588	73,749	+0.4	-0.2	-0.2	74,345	72,423	70,626	72,161	+3.0
Defense capital goods [4]	19,553	19,672	19,232	-0.6	+2.3	+3.7	19,533	19,451	18,612	18,681	+4.6
Durables excluding capital goods	172,940	171,568	169,533	+0.8	+1.2	+0.7	174,316	171,394	166,560	166,125	+4.9
scellaneous series :											
Producers' durable equipment	191,987	189,806	190,196	+1.1	-0.2	-0.7	193,070	187,860	184,005	191,541	+0.8
Household durable goods	16,702	16,655	16,597	+0.3	+0.3	+0.6	16,777	16,588	15,894	16,352	+2.6
Information technology industries	33,950	33,760	34,429	+0.6	-1.9	+1.3	33,935	32,821	32,727	32,276	+5.1
Health care equipment and products	21,257	21,154	20,990	+0.5	+0.8	+1.3	21,153	20,683	20,332	19,961	+6.0

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Feb. 1999	Feb. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	159,044	157,741	158,082	+0.8	-0.2	+1.2	159,607	158,772	157,994	154,371	+3.4
Durable goods industries	96,305	95,108	95,780	+1.3	-0.7	+1.4	96,411	95,626	95,520	92,448	+4.3
Stone, clay, and glass products	3,421	3,355	3,312	+2.0	+1.3	+1.5	3,431	3,367	3,336	3,134	+9.5
Primary metals	7,847	7,796	7,701	+0.7	+1.2	+2.0	7,769	7,921	8,050	7,497	+3.6
Fabricated metal products	10,923	10,797	10,775	+1.2	+0.2	+0.9	10,896	10,859	10,913	10,406	+4.7
Industrial machinery and equipment	20,129	19,859	20,823	+1.4	-4.6	+0.9	20,209	19,675	20,426	20,089	+0.6
Electronic and other electrical equipment	18,181	17,715	17,554	+2.6	+0.9	+3.4	18,169	17,684	17,274	15,534	+17.0
Transportation equipment	15,474	15,497	15,201	-0.1	+1.9	+0.1	15,509	15,666	14,965	15,648	-0.9
Instruments and related products	9,167	9,049	9,351	+1.3	-3.2	+1.6	9,095	9,028	9,177	9,029	+0.7
Lumber, furniture and miscellaneous durable goods	11,163	11,040	11,063	+1.1	-0.2	+0.8	11,333	11,426	11,379	11,111	+2.0
Nondurable goods industries	62,739	62,633	62,302	+0.2	+0.5	+0.9	63,196	63,146	62,474	61,923	+2.1
Food and kindred products	11,539	11,586	11,707	-0.4	-1.0	+2.6	11,643	11,810	11,795	11,441	+1.8
Tobacco products	4,548	4,590	4,529	-0.9	+1.3	+0.5	4,810	5,005	4,844	5,113	-5.9
Textile mill products	2,821	2,854	2,886	-1.2	-1.1	-1.2	2,856	2,853	2,842	2,906	-1.7
Paper and allied products	7,977	7,874	7,754	+1.3	+1.5	-0.4	8,010	7,880	7,827	7,801	+2.7
Chemicals and allied products	15,882	15,858	15,825	+0.2	+0.2	+2.0	15,948	15,872	15,729	15,712	+1.5
Petroleum and coal products	3,802	3,825	3,454	-0.6	+10.7	-5.2	3,757	3,724	3,353	3,057	+22.9
Rubber and plastics products	7,392	7,272	7,210	+1.7	+0.9	+0.5	7,476	7,327	7,303	6,888	+8.5
Apparel, printing and publishing and leather goods	8,778	8,774	8,937	0.0	-1.8	+1.7	8,696	8,675	8,781	9,005	-3.4
WORK IN PROCESS											
All manufacturing industries	146,122	144,988	144,344	+0.8	+0.4	-1.3	146,142	143,053	139,810	148,767	-1.8
Durable goods industries	115,093	114,331	113,607	+0.7	+0.6	-1.6	115,257	112,590	109,755	119,390	-3.5
Stone, clay, and glass products	1,545	1,571	1,565	-1.7	+0.4	-0.6	1,619	1,566	1,465	1,424	+13.7
Primary metals	8,443	8,507	8,323	-0.8	+2.2	+0.4	8,484	8,515	8,233	8,447	+0.4
Fabricated metal products	9,327	9,168	8,970	+1.7	+2.2	-0.7	9,218	8,984	8,771	8,922	+3.3
Industrial machinery and equipment	21,564	21,714	21,180	-0.7	+2.5	-0.7	21,840	21,376	20,146	22,861	-4.5
Electronic and other electrical equipment	13,909	13,921	14,085	-0.1	-1.2	+0.6	13,884	13,623	13,522	13,782	+0.7
Transportation equipment	44,341	43,619	43,915	+1.7	-0.7	-3.0	44,279	43,029	42,636	48,702	-9.1
Instruments and related products	10,101	10,048	9,868	+0.5	+1.8	-2.4	10,077	9,790	9,446	9,996	+0.8
Lumber, furniture and miscellaneous durable goods	5,863	5,783	5,701	+1.4	+1.4	-1.7	5,856	5,707	5,536	5,256	+11.4
Nondurable goods industries	31,029	30,657	30,737	+1.2	-0.3	-0.2	30,885	30,463	30,055	29,377	+5.1
Food and kindred products	6,322	6,257	6,264	+1.0	-0.1	-0.5	6,474	6,577	6,658	6,270	+3.3
Tobacco products	126	123	123	+2.4	0.0	+1.7	130	132	127	91	+42.9
Textile mill products	2,517	2,484	2,453	+1.3	+1.3	-0.4	2,528	2,491	2,374	2,516	+0.5
Paper and allied products	1,745	1,741	1,718	+0.2	+1.3	-3.3	1,783	1,789	1,723	1,687	+5.7
Chemicals and allied products	8,700	8,647	8,878	+0.6	-2.6	-0.2	8,582	8,389	8,636	8,724	-1.6
Petroleum and coal products	3,516	3,316	3,240	+6.0	+2.3	+3.2	3,470	3,229	3,050	2,190	+58.4
Rubber and plastics products	2,208	2,183	2,258	+1.1	-3.3	+1.1	2,236	2,205	2,225	2,263	-1.2
Apparel, printing and publishing and leather goods	5,895	5,906	5,803	-0.2	+1.8	-1.5	5,682	5,651	5,262	5,636	+0.8
FINISHED GOODS											
All manufacturing industries	170,886	169,977	167,951	+0.5	+1.2	+0.3	173,031	168,618	162,244	163,542	+5.8
Durable goods industries	87,576	87,127	85,647	+0.5	+1.7	+0.7	89,247	86,344	81,849	83,928	+6.3
Stone, clay, and glass products	5,097	5,094	5,011	+0.1	+1.7	+0.5	5,276	5,155	4,881	4,941	+6.8
Primary metals	8,347	8,344	8,231	0.0	+1.4	-0.3	8,498	8,403	8,162	8,314	+2.2
Fabricated metal products	11,642	11,704	11,656	-0.5	+0.4	-0.1	11,819	11,625	11,162	11,581	+2.1
Industrial machinery and equipment	19,232	19,120	18,403	+0.6	+3.9	-0.7	19,960	19,243	17,711	18,677	+6.9
Electronic and other electrical equipment	12,103	11,976	11,972	+1.1	0.0	+2.5	12,209	11,663	11,267	10,807	+13.0
Transportation equipment	10,296	9,955	9,953	+3.4	0.0	+0.1	10,489	9,662	9,128	9,853	+6.5
Instruments and related products	8,110	8,185	7,961	-0.9	+2.8	+2.8	8,050	7,898	7,644	7,579	+6.2
Lumber, furniture and miscellaneous durable goods	12,749	12,749	12,460	0.0	+2.3	+1.6	12,946	12,695	11,894	12,176	+6.3
Nondurable goods industries	83,310	82,850	82,304	+0.6	+0.7	0.0	83,784	82,274	80,395	79,614	+5.2
Food and kindred products	21,277	21,178	21,062	+0.5	+0.6	-0.2	21,251	21,049	20,797	20,263	+4.9
Tobacco products	614	450	449	+36.4	+0.2	0.0	805	522	522	743	+8.3
Textile mill products	4,835	4,793	4,824	+0.9	-0.6	+2.2	4,904	4,765	4,540	4,707	+4.2
Paper and allied products	6,813	6,766	6,596	+0.7	+2.6	+0.3	6,878	6,760	6,405	6,709	+2.5
Chemicals and allied products	23,173	23,121	22,900	+0.2	+1.0	-0.5	23,746	23,179	22,690	22,405	+6.0
Petroleum and coal products	5,682	5,664	5,553	+0.3	+2.0	+3.0	5,424	5,536	5,338	4,477	+21.2
Rubber and plastics products	8,190	8,126	8,121	+0.8	+0.1	-2.8	8,457	8,214	7,928	7,944	+6.5
Apparel, printing and publishing and leather goods	12,726	12,752	12,799	-0.2	-0.4	+0.7	12,319	12,249	12,175	12,366	-0.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Nov. 1999	Feb. 2000[p]	Jan. 2000[r]	Dec. 1999	Nov. 1999
All manufacturing industries	1.29	1.28	1.28	1.29	2.62	2.57	2.57	2.54
Durable goods industries	1.45	1.42	1.43	1.44	3.06	2.99	3.01	2.97
Stone, clay, and glass products	1.13	1.13	1.11	1.09	0.76	0.76	0.74	0.73
Primary metals	1.55	1.53	1.54	1.55	1.99	1.98	2.02	2.08
Fabricated metal products	1.57	1.53	1.54	1.51	1.31	1.29	1.31	1.27
Industrial machinery and equipment	1.53	1.47	1.56	1.55	2.22	2.10	2.21	2.18
Electronic and other electrical equipment	1.17	1.15	1.20	1.20	2.29	2.23	2.36	2.25
Transportation equipment	1.50	1.42	1.38	1.46	9.43	9.11	8.39	8.58
Instruments and related products	1.87	1.86	1.79	1.81	3.20	3.21	3.06	3.05
Nondurable goods industries	1.08	1.09	1.09	1.09	0.67	0.66	0.66	0.67
Food and kindred products	0.93	0.94	0.93	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.23	1.20	1.18	1.13	(X)	(X)	(X)	(X)
Textile mill products	1.54	1.57	1.54	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.16	1.12	1.13	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.31	1.34	1.34	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.70	0.70	0.73	(X)	(X)	(X)	(X)
Rubber and plastics products	1.24	1.23	1.22	1.24	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 2000	Feb.[2] 1995-1999	Feb. 1999-Jan. 2000	Feb.[1] 2000	Feb.[2] 1995-1999	Feb. 1999-Jan. 2000	Feb.[1] 2000	Feb.[2] 1995-1999	Feb. 1999-Jan. 2000	Feb.[1] 2000	Feb.[2] 1995-1999	Feb 1999-Jan. 2000
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.2	0.1	(X)	0.1	0.0
Durable goods industries	-0.1	0.3	0.2	-0.4	0.4	0.4	0.0	0.2	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.7	0.3	(X)	1.0	0.3	(X)	0.6	0.4	(X)	0.2	0.3
Primary metals	0.2	0.2	0.3	-0.2	0.4	0.9	-0.1	0.2	0.4	(X)	0.0	0.1
Fabricated metal products	(X)	0.2	0.2	(X)	0.4	0.4	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment	-0.2	0.3	0.4	-0.2	0.3	0.4	0.4	0.1	0.1	(X)	0.0	0.1
Electronic and other electrical equipment	0.1	0.5	0.4	0.1	0.6	1.4	0.0	0.4	0.7	(X)	0.1	0.2
Transportation equipment	0.0	0.7	0.5	-0.2	1.5	1.2	-0.1	0.2	0.2	(X)	0.3	0.1
Instruments and related products	(X)	0.4	0.8	(X)	0.8	1.0	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5
Rubber and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Capital goods industries :												
Nondefense	-0.2	0.3	0.2	-0.1	0.9	0.6	0.1	0.2	0.1	(X)	0.2	0.1
Defense	0.3	0.4	0.8	-0.2	6.9	5.0	0.0	0.5	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

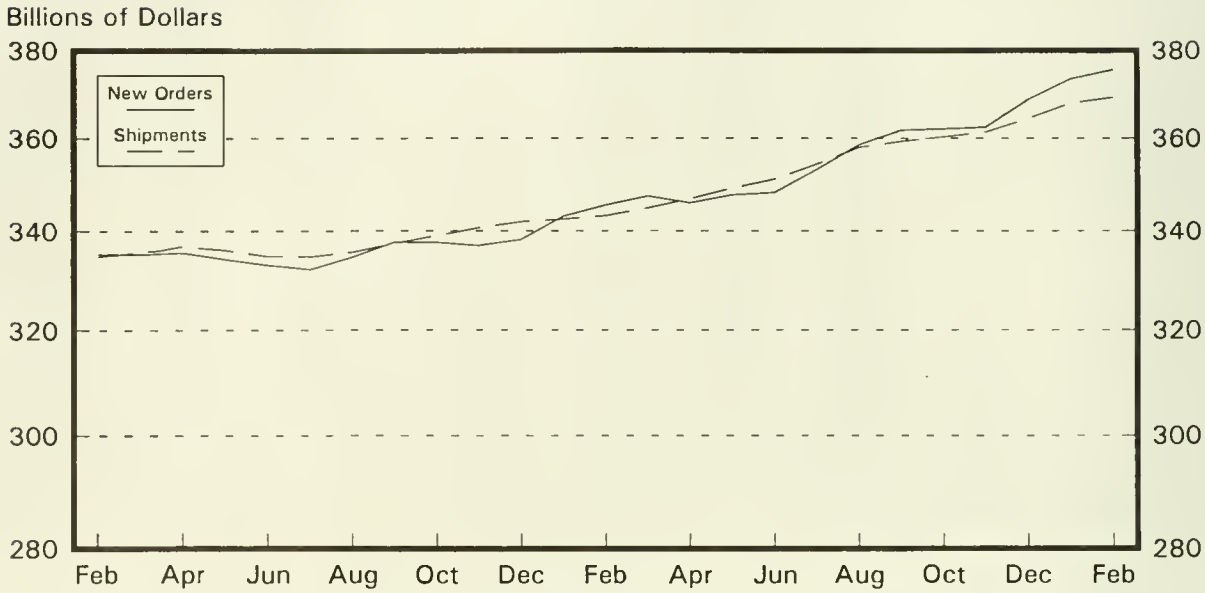
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

Total Manufacturing

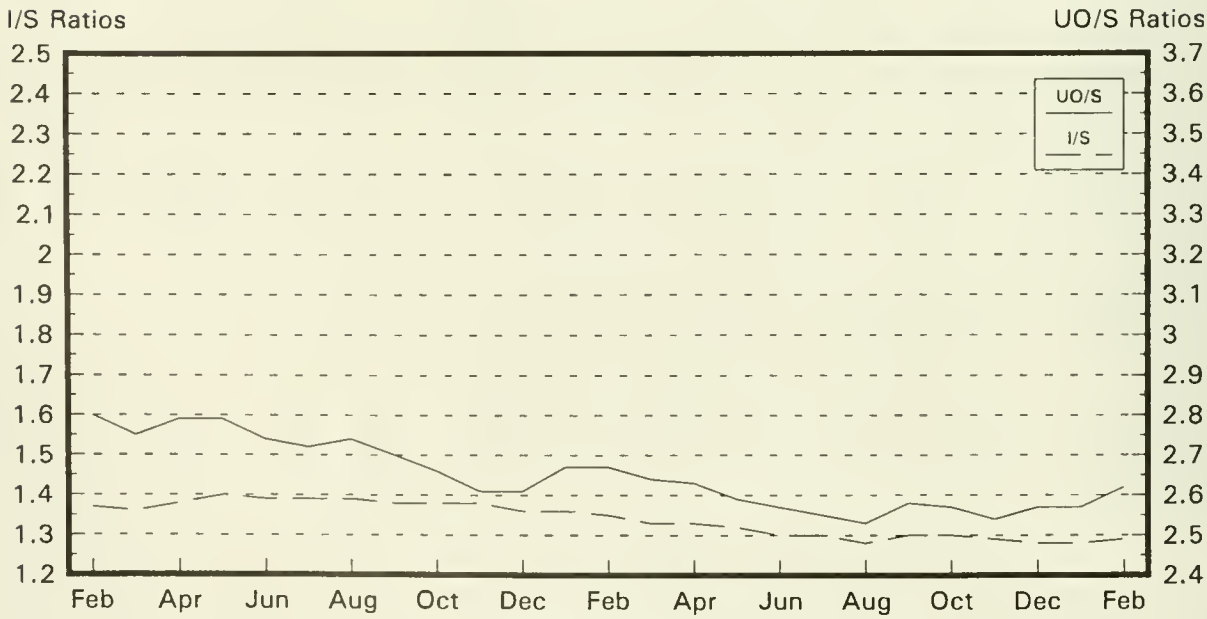
New Orders and Shipments
Three Month Moving Averages



Feb. 1998 - Feb. 2000

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

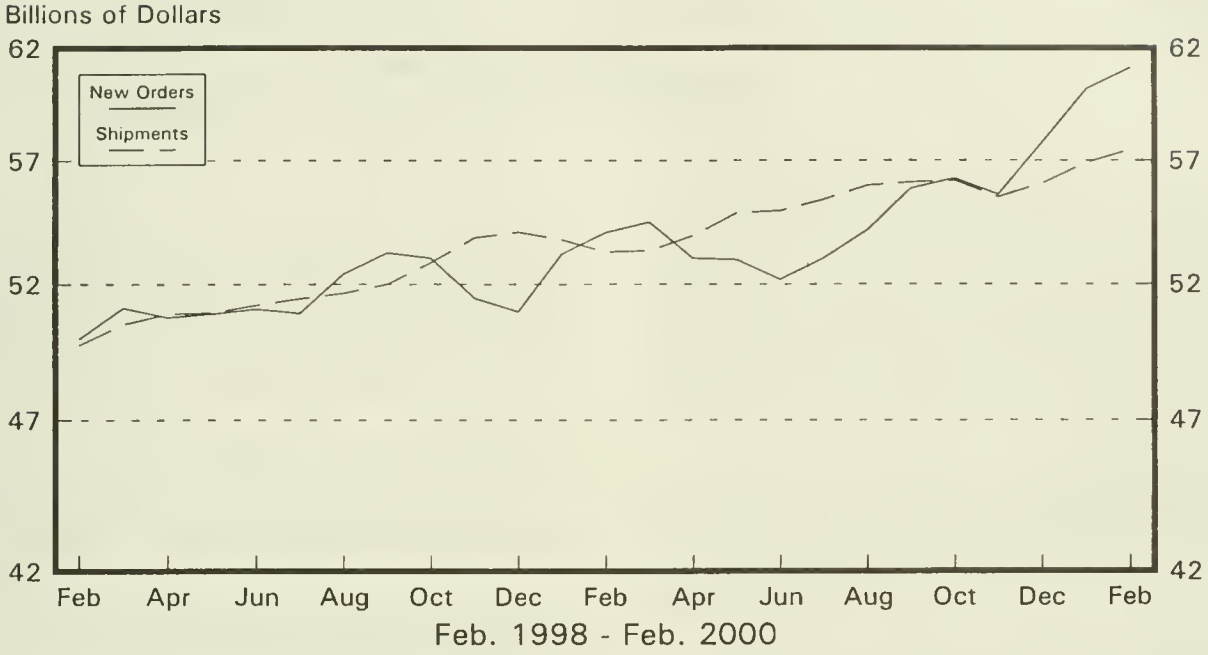


Feb. 1998 - Feb. 2000

Note: All Charts based on seasonally adjusted current dollars.

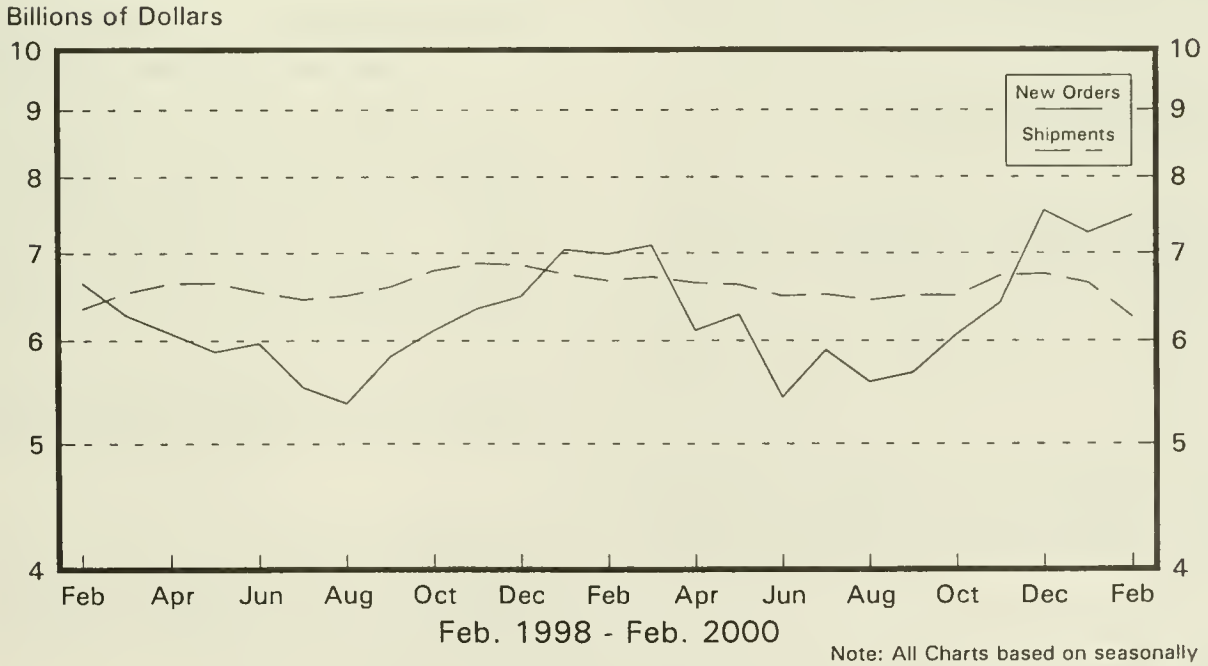
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
Economics and Statistics Administration
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Manufacturers' Shipments, Inventories, and Orders

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March 2000
M3-1-(00)-03
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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased $8.3 billion or 2.2 percent to $383.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a slight February decrease. Excluding transportation, new orders increased 1.9 percent. Year to date, new orders are 8.7 percent above the same period a year ago; new orders for the first quarter are 2.5 percent above fourth quarter 1999.

Shipments increased $6.2 billion or 1.7 percent to $377.1 billion, following a 0.1 percent February increase. This is the sixth consecutive increase and the largest since January 1997. Year to date, shipments are 8.1 percent above the same period a year ago; shipments for the first quarter are 2.3 percent above fourth quarter 1999.

Unfilled orders increased $6.1 billion or 1.1 percent to $552.7 billion, following a 0.7 percent February increase. This is the ninth consecutive increase. The unfilled orders-to-shipments ratio was 2.59, down from 2.61 in February.

Inventories increased $0.2 billion to $476.2 billion, following a 0.7 percent February increase. This is the seventh consecutive increase. The inventories-to-shipments ratio was 1.26, down from 1.28 in February.

New Orders

New orders for manufactured durable goods in March increa[illegible]7.3 billion o[illegible] percent to $217.6 billion, revised from the previously published 2.6 percent increase.

Electronic and other electrical equipment, led by electronic components, had the largest increase, $4.2 billion or 10.2 percent to $45.2 billion. This is the eighth increase in the last ten months and the largest since August 1997. Transportation equipment increased $1.9 billion or 4.1 percent to $48.5 billion. Instruments and related products increased $0.8 billion or 5.3 percent to $15.3 billion. Industrial machinery and equipment, down four of the last five months, decreased $0.7 billion or 1.7 percent to $40.7 billion.

New orders for nondurable goods, up nine of the last eleven months, increased $1.0 billion or 0.6 percent to $165.6 billion. Petroleum and coal products and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in March increased $4.7 billion or 2.3 percent to $211.2 billion, revised from the previously published 1.5 percent increase. This is the ninth increase in the last eleven months.

Transportation equipment, led by motor vehicles and parts, had the largest increase, $1.7 billion or 3.7 percent to $48.6 billion. Electronic and other electrical equipment increased $0.9 billion or 2.3 percent to $38.9 billion. This is the fourth increase in the last five months. Industrial machinery and equipment increased $0.8 billion or 1.9 percent to $40.9 billion. Instruments and related products up seven of the last eight months, increased $0.4 billion or 2.7 percent to $15.2 billion.

Shipments of nondurable goods increased $1.6 billion or 1.0 percent to $165.9 billion. This is the tenth increase in the last eleven months. Paper and allied products had the largest increase, $0.4 billion or 3.1 percent to $14.8 billion. This is the ninth increase in the last eleven months.

Unfilled Orders

Unfilled orders for durable goods in March increased $6.3 billion or 1.2 percent to $527.1 billion, revised from the previously published 1.1 percent increase. This is the ninth consecutive increase. Electronic and other electrical equipment had the largest increase, $6.4 billion or 7.3 percent to $94.2 billion, mostly due to electronic components. This is the fifteenth increase in the last sixteen months and the largest since August 1997. Industrial machinery and equipment, down for the first time since June 1999, decreased $0.3 billion or 0.3 percent to $83.8 billion.

Inventories

Inventories of durable goods in March decreased $0.2 billion or 0.1 percent to $298.3 billion. This is the first decrease since August 1999.

Industrial machinery and equipment had the largest decrease, $0.2 billion or 0.3 percent to $60.7 billion. Transportation equipment, up three consecutive months, increased $0.2 billion or 0.2 percent to $70.0 billion.

Inventories of nondurable goods, up nine consecutive months, increased $0.4 billion or 0.2 percent to $177.9 billion.

By stage of fabrication, March finished goods increased 0.4 percent in durables and decreased 0.4 percent in nondurables. Work in process decreased 0.4 percent in durables and increased 1.0 percent in nondurables. Materials and supplies decreased 0.1 percent in durables and increased 0.8 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for April is scheduled for May 26, 2000 at 8:30 a.m. and the full report on June 2, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.	Mar 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99	2000[p]	1999
All manufacturing industries	377,108	370,865	370,565	+1.7	+0.1	+0.7	399,124	365,756	333,352	369,208	+8.1	1,098,232	1,017,790
Manufacturing Industries													
with unfilled orders	213,270	209,480	211,102	+1.8	-0.8	+1.0	228,937	205,875	185,961	213,417	+7.3	620,773	581,325
without defense capital goods	370,493	364,860	364,312	+1.5	+0.2	+0.8	391,934	359,808	328,283	362,035	+8.3	1,080,025	998,369
Durable goods industries	211,230	206,555	209,442	+2.3	-1.4	+1.4	230,310	205,200	184,327	215,480	+6.9	619,837	580,847
With unfilled orders	173,796	170,606	172,674	+1.9	-1.2	+1.4	189,398	167,685	150,541	176,528	+7.3	507,624	473,621
Stone, clay, and glass products	9,125	8,963	8,893	+1.8	+0.8	-0.1	9,146	8,406	7,743	8,418	+8.6	25,295	23,498
Primary metals	16,024	15,969	16,091	+0.3	-0.8	+2.1	16,863	16,424	15,333	15,242	+10.6	48,620	43,463
Blast furnaces, steel mills	6,319	6,172	6,198	+2.4	-0.4	+1.7	6,675	6,402	6,033	5,905	+13.0	19,110	16,917
Iron and steel foundries	1,523	1,478	1,624	+3.0	-9.0	+3.1	1,618	1,539	1,498	1,655	-2.2	4,655	4,639
Nonferrous and other primary metals	8,182	8,319	8,269	-1.6	+0.6	+2.2	8,570	8,483	7,802	7,682	+11.6	24,855	21,907
Fabricated metal products	20,867	20,521	20,673	+1.7	-0.7	+1.4	21,763	20,611	18,765	21,274	+2.3	61,139	60,416
Industrial machinery and equipment	40,948	40,193	41,311	+1.9	-2.7	+6.8	48,429	38,750	34,358	43,579	+11.1	121,537	109,646
Engines and turbines	2,689	2,762	3,248	-2.6	-15.0	+26.8	3,009	2,565	2,412	2,605	+15.5	7,986	6,790
Farm and garden machinery	2,107	1,933	1,892	+9.0	+2.2	+2.0	3,048	2,294	1,733	2,757	+10.6	7,075	6,765
Construction, mining and material handling equipment	4,026	3,921	3,998	+2.7	-1.9	+4.4	4,630	4,064	3,580	4,617	+0.3	12,274	12,193
Metalworking machinery	3,925	3,633	3,800	+8.0	-4.4	+1.9	4,190	3,384	2,973	3,696	+13.4	10,547	9,773
Computer and office equipment	12,769	12,916	12,767	-1.1	+1.2	+15.3	16,552	11,425	9,525	14,472	+14.4	37,502	32,303
Electronic and other electrical equipment	38,861	37,987	38,035	+2.3	-0.1	+4.8	42,052	36,667	32,417	35,501	+18.5	111,136	94,508
Electrical transmission and distribution equipment and industrial apparatus	4,235	4,133	4,139	+2.5	-0.1	+4.2	4,693	4,206	3,614	4,156	+12.9	12,513	11,008
Household appliances	2,523	2,486	2,474	+1.5	+0.5	+4.4	2,804	2,452	2,019	2,573	+9.0	7,275	6,744
Electric lighting and wiring equipment	2,587	2,523	2,585	+2.5	-2.4	-2.4	2,776	2,515	2,252	2,522	+10.1	7,543	6,774
Household audio and video equipment	1,205	1,143	1,118	+5.4	+2.2	+13.2	1,193	1,040	962	991	+20.4	3,195	2,873
Communications equipment	10,046	9,788	9,814	+2.6	-0.3	+11.3	11,606	8,856	7,617	9,208	+26.0	28,079	22,218
Electronic components	16,027	15,807	15,456	+1.4	+2.3	+1.9	16,781	15,586	13,909	13,759	+22.0	46,276	38,637
Transportation equipment	48,585	46,845	48,663	+3.7	-3.7	-2.9	53,048	49,059	44,448	53,786	-1.4	146,555	146,958
Motor vehicles and parts	34,585	33,026	34,317	+4.7	-3.8	+0.4	38,033	35,689	32,552	36,601	+3.9	106,274	102,333
Aircraft, missiles, space vehicles, and parts	9,749	10,291	10,989	-5.3	-6.4	-6.8	10,504	9,904	9,057	13,063	-19.6	29,465	34,867
Shipbuilding and tanks	1,049	1,046	1,069	+0.3	-2.2	+17.2	1,121	1,025	866	1,120	+0.1	3,012	2,785
Instruments and related products	15,152	14,754	14,645	+2.7	+0.7	-3.5	16,400	14,492	12,717	15,738	+4.2	43,609	41,896
Search and navigation equipment	3,189	3,002	3,117	+6.2	-3.7	-2.3	3,444	3,015	2,659	3,420	+0.7	9,118	9,285
Measuring and controlling devices	4,868	4,705	4,404	+3.5	+6.8	-5.3	5,325	4,761	3,920	4,451	+19.6	14,006	12,233
Medical instruments and supplies	4,624	4,579	4,661	+1.0	-1.8	-3.4	5,079	4,456	4,096	5,461	-7.0	13,631	14,096
Photographic goods	1,969	1,974	1,973	-0.3	+0.1	-1.9	2,027	1,789	1,614	1,903	+6.5	5,430	4,893
All other durable goods	21,668	21,323	21,131	+1.6	+0.9	-0.1	22,609	20,791	18,546	21,942	+3.0	61,946	60,462
Nondurable goods industries	165,878	164,310	161,123	+1.0	+2.0	-0.2	168,814	160,556	149,025	153,728	+9.8	478,395	436,943
With unfilled orders	39,474	38,874	38,428	+1.5	+1.2	-1.1	39,539	38,190	35,420	36,889	+7.2	113,149	107,704
Food and kindred products	42,207	42,051	41,598	+0.4	+1.1	-1.4	42,965	40,883	38,906	42,543	+1.0	122,754	121,699
Meat products	9,569	9,605	9,230	-0.4	+4.1	-2.1	9,523	9,459	8,632	8,590	+10.9	27,614	24,996
Dairy products	6,246	6,116	6,012	+2.1	+1.7	-5.1	6,490	5,927	5,836	6,911	-6.1	18,253	19,827
Beverages	6,652	6,598	6,577	+0.8	+0.3	+3.2	6,593	5,967	5,727	6,183	+6.6	18,287	17,237
All other foods, except fats and oils	17,884	17,907	18,044	-0.1	-0.8	-0.7	18,503	17,705	16,976	18,907	-2.1	53,184	53,802
Tobacco products	4,398	4,306	4,310	+2.1	-0.1	-0.3	4,781	4,225	4,100	4,491	+6.5	13,106	12,380
Textile mill products	6,518	6,598	6,462	-1.2	+2.1	-2.3	6,884	6,427	5,592	6,734	+2.2	18,903	18,771
Broadwoven fabrics and other textiles	3,646	3,672	3,538	-0.7	+3.8	-3.1	4,026	3,651	3,156	3,966	+1.5	10,833	11,127
Paper and allied products	14,752	14,309	14,168	+3.1	+1.0	-1.4	14,887	14,438	13,650	13,495	+10.3	42,975	40,175
Pulp, paper, and paperboard mill products	5,812	5,816	5,731	-0.1	+1.5	+0.6	5,846	5,943	5,545	5,159	+13.3	17,334	15,407
Paperboard containers and boxes	3,984	3,844	3,782	+3.6	+1.6	+2.0	4,062	3,852	3,671	3,299	+23.1	11,585	9,960
Miscellaneous converted paper products	4,956	4,649	4,655	+6.6	-0.1	-6.4	4,979	4,643	4,434	5,037	-1.2	14,056	14,808
Chemicals and allied products	36,491	36,579	35,658	-0.2	+2.6	+0.1	38,395	35,858	33,656	35,471	+8.2	107,909	98,857
Industrial chemicals	16,220	16,027	15,903	+1.2	+0.8	-1.0	16,728	16,219	15,223	15,120	+10.6	48,170	44,162
Drugs, soaps, and toiletries	16,090	16,496	15,809	-2.5	+4.3	+1.6	16,806	15,646	14,997	15,721	+6.9	47,449	43,062
Petroleum and coal products	19,817	19,433	18,308	+2.0	+6.1	+5.1	18,578	17,825	16,231	11,434	+62.5	52,634	31,390
Rubber and plastics products	14,622	14,441	14,304	+1.3	+1.0	-0.7	15,473	14,704	13,243	14,404	+7.4	43,420	40,518
All other nondurable goods	27,073	26,593	26,315	+1.8	+1.1	-0.5	26,851	26,196	23,647	25,156	+6.7	76,694	73,153

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99	2000[p]	1999
All manufacturing industries	383,190	374,882	374,967	+2.2	0.0	-1.2	402,508	369,263	347,838	367,859	+9.4	1,119,609	1,033,004
Manufacturing industries													
with unfilled orders	219,352	213,497	215,504	+2.7	-0.9	-2.4	232,321	209,382	200,447	212,068	+9.6	642,150	596,539
without defense capital goods	377,038	368,194	368,155	+2.4	0.0	-0.7	395,224	362,779	340,391	358,500	+10.2	1,098,394	1,010,446
Durable goods industries	217,565	210,255	213,982	+3.5	-1.7	-1.9	233,626	208,416	198,898	214,181	+9.1	640,940	595,713
With unfilled orders	180,131	174,306	177,214	+3.3	-1.6	-2.6	192,714	170,901	165,112	175,229	+10.0	528,727	488,487
Stone, clay, and glass products	9,128	8,946	9,077	+2.0	-1.4	+1.8	9,180	8,413	8,075	8,582	+7.0	25,668	23,810
Primary metals	15,886	15,824	16,065	+0.4	-1.5	+4.7	16,882	17,262	16,385	15,406	+9.6	50,529	45,371
Blast furnaces, steel mills	6,228	6,130	6,254	+1.6	-2.0	+6.1	6,626	6,899	6,732	6,103	+8.6	20,257	18,083
Iron and steel foundries	1,534	1,476	1,624	+3.9	-9.1	+1.6	1,681	1,618	1,624	1,537	+9.4	4,923	4,596
Nonferrous and other primary metals	8,124	8,218	8,187	-1.1	+0.4	+4.3	8,575	8,745	8,029	7,766	+10.4	25,349	22,692
Fabricated metal products	20,878	20,387	20,627	+2.4	-1.2	-1.2	21,807	20,603	19,124	21,295	+2.4	61,534	61,161
Industrial machinery and equipment	40,666	41,365	42,937	-1.7	-3.7	+10.9	47,170	40,228	36,974	44,134	+6.9	124,372	112,223
Engines and turbines	2,590	3,092	3,326	-16.2	-7.0	+26.3	2,462	2,631	2,415	3,488	-29.4	7,508	8,247
Construction, mining and material handling equipment	3,882	3,978	4,010	-2.4	-0.8	+7.3	4,561	4,373	3,922	4,535	+0.6	12,856	12,546
Metalworking machinery	3,747	3,884	4,252	-3.5	-8.7	+22.8	4,012	3,635	3,425	3,624	+10.7	11,072	9,946
Computer and office equipment	12,685	13,086	12,666	-3.1	+3.3	+8.1	16,341	11,750	9,297	14,648	+11.6	37,388	32,306
Electronic and other electrical equipment	45,238	41,056	37,364	+10.2	+9.9	-10.0	45,919	38,024	36,135	34,282	+33.9	120,078	99,370
Electrical transmission and distribution equipment and industrial apparatus	4,199	4,170	4,159	+0.7	+0.3	+3.6	4,636	4,363	3,824	4,220	+9.9	12,823	11,290
Electric lighting and wiring equipment	2,486	2,584	2,873	-3.8	-10.1	+7.0	2,675	2,576	2,540	2,543	+5.2	7,791	6,929
Communications equipment	10,664	9,935	10,527	+7.3	-5.6	-5.7	12,035	9,130	8,057	9,556	+25.9	29,222	23,203
Electronic components	21,431	18,491	13,781	+15.9	+34.2	-22.2	20,040	16,245	16,143	12,273	+63.3	52,428	41,747
Transportation equipment	48,534	46,609	51,438	+4.1	-9.4	-7.6	53,619	48,578	49,609	53,049	+1.1	151,806	150,709
Aircraft, missiles, space vehicles, and parts	10,489	9,482	12,815	+10.6	-26.0	-16.5	11,964	8,727	12,855	12,352	-3.1	33,546	37,034
Shipbuilding and tanks	782	1,761	850	-55.6	107.2	-62.1	851	1,817	651	2,026	-58.0	3,319	4,224
Instruments and related products	15,323	14,546	15,306	+5.3	-5.0	-3.8	16,128	14,312	13,839	15,222	+6.0	44,279	42,040
Search and navigation equipment	3,004	2,826	3,190	+6.3	-11.4	-7.0	3,285	2,933	2,852	3,513	-6.5	9,070	9,435
Measuring and controlling devices	5,030	4,649	4,627	+8.2	+0.5	-5.7	5,487	4,705	4,143	4,498	+22.0	14,335	12,499
Medical instruments and supplies	4,819	4,618	5,037	+4.4	-8.3	-0.1	4,784	4,356	4,816	4,815	-0.6	13,956	13,780
All other durable goods	21,912	21,522	21,168	+1.8	+1.7	-0.3	22,921	20,996	18,757	22,211	+3.2	62,674	61,029
Nondurable goods industries	165,625	164,627	160,985	+0.6	+2.3	-0.2	168,882	160,847	148,940	153,678	+9.9	478,669	437,291
With unfilled orders	39,221	39,191	38,290	+0.1	+2.4	-1.2	39,607	38,481	35,335	36,839	+7.5	113,423	108,052

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99
All manufacturing industries	552,718	546,636	542,619	+1.1	+0.7	+0.8	554,068	550,684	547,177	528,200	+4.9
Manufacturing industries without defense capital goods	458,153	451,608	448,274	+1.4	+0.7	+0.9	457,420	454,130	451,159	429,350	+6.5
Durable goods industries	527,110	520,775	517,075	+1.2	+0.7	+0.9	528,882	525,566	522,350	504,906	+4.7
Stone, clay, and glass products	6,500	6,497	6,514	0.0	-0.3	+2.9	6,610	6,576	6,569	6,383	+3.6
Primary metals	31,603	31,741	31,886	-0.4	-0.5	-0.1	33,030	33,011	32,173	30,755	+7.4
Blast furnaces, steel mills	13,007	13,098	13,140	-0.7	-0.3	+0.4	13,780	13,829	13,332	12,201	+12.9
Iron and steel foundries	4,748	4,737	4,739	+0.2	0.0	0.0	4,932	4,869	4,790	5,309	-7.1
Nonferrous and other primary metals	13,848	13,906	14,007	-0.4	-0.7	-0.6	14,318	14,313	14,051	13,245	+8.1
Fabricated metal products	25,035	25,024	25,158	0.0	-0.5	-0.2	25,143	25,099	25,107	26,179	-4.0
Industrial machinery and equipment	83,814	84,096	82,924	-0.3	+1.4	+2.0	84,062	85,321	83,843	77,018	+9.1
Engines and turbines	24,523	24,622	24,292	-0.4	+1.4	+0.3	24,320	24,867	24,801	20,182	+20.5
Construction, mining and material handling equipment	8,700	8,844	8,787	-1.6	+0.6	+0.1	9,161	9,230	8,921	9,986	-8.3
Metalworking machinery	7,015	7,193	6,942	-2.5	+3.6	+7.0	7,015	7,193	6,942	6,619	+6.0
Computer and office equipment	8,811	8,895	8,725	-0.9	+1.9	-1.1	8,567	8,778	8,453	7,944	+7.8
Electronic and other electrical equipment	94,241	87,864	84,795	+7.3	+3.6	-0.8	92,629	88,762	87,405	62,668	+47.8
Electrical transmission and distribution equipment and industrial apparatus	7,089	7,125	7,088	-0.5	+0.5	+0.3	7,206	7,263	7,106	6,463	+11.5
Electric lighting and wiring equipment	5,280	5,381	5,320	-1.9	+1.1	+5.7	5,280	5,381	5,320	5,177	+2.0
Communications equipment	26,433	25,815	25,668	+2.4	+0.6	+2.9	26,766	26,337	26,063	18,042	+48.4
Electronic components	48,899	43,495	40,811	+12.4	+6.6	-3.9	46,626	43,367	42,708	26,765	+74.2
Transportation equipment	229,949	230,000	230,236	0.0	-0.1	+1.2	231,633	231,062	231,543	246,335	-6.0
Aircraft, missiles, space vehicles, and parts	193,173	192,433	193,242	+0.4	-0.4	+1.0	194,589	193,129	194,306	206,175	-5.6
Shipbuilding and tanks	19,849	20,116	19,401	-1.3	+3.7	-1.1	19,835	20,105	19,313	20,761	-4.5
Instruments and related products	47,039	46,868	47,076	+0.4	-0.4	+1.4	47,166	47,438	47,618	47,329	-0.3
Search and navigation equipment	25,038	25,223	25,399	-0.7	-0.7	+0.3	25,372	25,531	25,613	26,578	-4.5
Measuring and controlling devices	10,461	10,299	10,355	+1.6	-0.5	+2.2	10,461	10,299	10,355	10,451	+0.1
Medical instruments and supplies	10,626	10,431	10,392	+1.9	+0.4	+3.8	10,360	10,655	10,755	9,270	+11.8
All other durable goods	8,929	8,685	8,486	+2.8	+2.3	+0.4	8,609	8,297	8,092	8,239	+4.5
Nondurable goods industries	25,608	25,861	25,544	-1.0	+1.2	-0.5	25,186	25,118	24,827	23,294	+8.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99
All manufacturing industries	476,216	475,999	472,706	0.0	+0.7	+0.5	475,488	479,087	470,443	462,645	+2.8
Manufacturing industries											
with unfilled orders	314,425	314,444	312,230	0.0	+0.7	+0.5	313,108	315,425	309,063	308,289	+1.6
without defense capital goods	457,670	456,565	453,034	+0.2	+0.8	+0.4	457,149	459,523	450,992	444,263	+2.9
Durable goods industries	298,305	298,505	296,566	-0.1	+0.7	+0.5	297,781	300,744	294,560	292,680	+1.7
With unfilled orders	272,918	273,003	271,094	0.0	+0.7	+0.5	271,621	274,228	268,545	267,338	+1.6
Stone, clay, and glass products	9,988	10,031	10,020	-0.4	+0.1	+1.3	10,193	10,305	10,088	9,482	+7.5
Primary metals	24,720	24,696	24,647	+0.1	+0.2	+1.6	24,583	24,832	24,839	23,596	+4.2
Blast furnaces, steel mills	11,776	11,712	11,629	+0.5	+0.7	+1.1	11,577	11,728	11,839	11,379	+1.7
Iron and steel foundries	1,570	1,587	1,597	-1.1	-0.6	-1.2	1,619	1,621	1,586	1,676	-3.4
Nonferrous and other primary metals	11,374	11,397	11,421	-0.2	-0.2	+2.6	11,387	11,483	11,414	10,541	+8.0
Fabricated metal products	31,788	31,911	31,669	-0.4	+0.8	+0.9	32,027	31,962	31,468	31,043	+3.2
Industrial machinery and equipment	60,718	60,888	60,693	-0.3	+0.3	+0.5	60,460	62,013	60,294	60,438	0.0
Engines and turbines	4,674	4,639	4,603	+0.8	+0.8	-0.3	4,564	4,636	4,409	4,134	+10.4
Farm and garden machinery	3,802	3,814	3,848	-0.3	-0.9	0.0	4,086	4,306	4,269	3,981	+2.6
Construction, mining and material handling equipment	8,750	8,924	8,911	-1.9	+0.1	-0.4	8,850	9,125	8,936	9,166	-3.4
Metalworking machinery	8,081	8,095	8,059	-0.2	+0.4	+0.4	7,928	8,016	7,814	7,824	+1.3
Computer and office equipment	8,539	8,558	8,675	-0.2	-1.3	-2.1	8,071	8,743	8,331	8,712	-7.4
Electronic and other electrical equipment	43,846	43,923	43,612	-0.2	+0.7	0.0	43,398	44,154	42,970	39,982	+8.5
Electrical transmission and distribution equipment and industrial apparatus	5,401	5,421	5,434	-0.4	-0.2	+0.8	5,394	5,541	5,482	5,274	+2.3
Household appliances	2,461	2,515	2,523	-2.1	-0.3	+0.8	2,543	2,630	2,477	2,478	+2.6
Electric lighting and wiring equipment	3,854	3,879	3,804	-0.6	+2.0	+1.0	3,793	3,880	3,698	3,440	+10.3
Household audio and video equipment	1,075	1,079	1,094	-0.4	-1.4	-4.3	981	1,049	1,057	896	+9.5
Communications equipment	11,605	11,714	11,651	-0.9	+0.5	-3.8	11,391	11,696	11,383	10,426	+9.3
Electronic components	15,472	15,422	15,310	+0.3	+0.7	+2.5	15,312	15,491	15,163	13,868	+10.4
Transportation equipment	69,992	69,840	69,071	+0.2	+1.1	0.0	70,161	70,031	68,357	73,451	-4.5
Motor vehicles and parts	17,945	18,171	17,992	-1.2	+1.0	+0.1	18,224	18,267	17,899	17,735	+2.8
Aircraft, missiles, space vehicles, and parts	45,976	45,388	44,787	+1.3	+1.3	-0.9	45,794	45,452	44,184	49,861	-8.2
Shipbuilding and tanks	2,391	2,423	2,403	-1.3	+0.8	+1.3	2,462	2,448	2,416	2,130	+15.6
Instruments and related products	27,327	27,390	27,282	-0.2	+0.4	+0.4	27,059	27,267	26,716	26,453	+2.3
Search and navigation equipment	6,738	6,818	6,917	-1.2	-1.4	+0.3	6,626	6,751	6,747	6,718	-1.4
Measuring and controlling devices	8,390	8,398	8,182	-0.1	+2.6	-0.6	8,360	8,378	8,038	7,929	+5.4
Medical instruments and supplies	9,159	9,121	9,095	+0.4	+0.3	+1.2	9,026	9,098	8,973	8,456	+6.7
Photographic goods	2,327	2,334	2,362	-0.3	-1.2	+0.7	2,329	2,324	2,244	2,581	-9.8
All other durable goods	29,926	29,826	29,572	+0.3	+0.9	+1.2	29,900	30,180	29,828	28,235	+5.9
Nondurable goods industries	177,911	177,494	176,140	+0.2	+0.8	+0.5	177,707	178,343	175,883	169,965	+4.6
With unfilled orders	41,507	41,441	41,136	+0.2	+0.7	+0.6	41,487	41,197	40,518	40,951	+1.3
Food and kindred products	39,307	39,164	39,021	+0.4	+0.4	0.0	38,861	39,374	39,436	37,277	+4.2
Meat products	4,604	4,443	4,458	+3.6	-0.3	-0.2	4,702	4,529	4,403	4,266	+10.2
Dairy products	3,890	3,993	3,828	-2.6	+4.3	-0.2	3,878	3,976	3,776	3,894	-0.4
Beverages	8,794	8,781	8,872	+0.1	-1.0	-1.3	8,790	8,819	8,877	8,538	+3.0
All other foods, except fats and oils	20,423	20,327	20,254	+0.5	+0.4	+0.6	19,856	20,331	20,694	18,722	+6.1
Tobacco products	5,291	5,291	5,163	0.0	+2.5	+1.2	5,373	5,749	5,659	5,416	-0.8
Textile mill products	10,224	10,163	10,131	+0.6	+0.3	-0.3	10,248	10,259	10,109	10,082	+1.6
Broadwoven fabrics and other textiles	6,115	6,074	6,076	+0.7	0.0	-1.0	6,099	6,157	6,121	6,202	-1.7
Paper and allied products	16,535	16,559	16,381	-0.1	+1.1	+1.9	16,729	16,697	16,429	16,236	+3.0
Pulp, paper, and paperboard mill products	6,449	6,412	6,378	+0.6	+0.5	+0.8	6,540	6,524	6,443	6,640	-1.5
Paperboard containers and boxes	4,303	4,349	4,336	-1.1	+0.3	+4.1	4,357	4,390	4,352	3,989	+9.2
Miscellaneous converted paper products	5,783	5,798	5,667	-0.3	+2.3	+1.6	5,832	5,783	5,634	5,607	+4.0
Chemicals and allied products	47,787	47,694	47,626	+0.2	+0.1	0.0	47,927	48,262	47,440	46,170	+3.8
Industrial chemicals	19,592	19,485	19,417	+0.5	+0.4	-0.3	19,598	19,718	19,591	19,164	+2.3
Drugs, soaps, and toiletries	22,361	22,325	22,279	+0.2	+0.2	+0.5	22,077	22,235	21,619	20,663	+6.8
Petroleum and coal products	13,440	13,259	12,805	+1.4	+3.5	+4.6	13,301	12,900	12,489	10,403	+27.9
Rubber and plastics products	17,926	17,921	17,581	0.0	+1.9	0.0	18,233	18,333	17,746	16,967	+7.5
All other nondurable goods	27,401	27,443	27,432	-0.2	0.0	-0.4	27,035	26,769	26,575	27,414	-1.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 2000p	Feb. 2000r	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000p	Feb. 2000r	Jan. 2000	Mar. 1999	Mar. 00/99	2000p	1999
SHIPMENTS													
All manufacturing industries	377,108	370,865	370,565	+1.7	+0.1	+0.7	399,124	365,756	333,352	369,208	+8.1	1,098,232	1,017,790
Market categories :													
Automotive equipment	17,073	16,352	17,000	+4.4	-3.8	+0.6	18,778	17,433	15,803	17,844	+5.2	52,014	49,435
Home goods and apparel	21,240	20,898	20,857	+1.6	+0.2	+1.0	22,460	20,985	17,908	20,808	+7.9	61,353	57,344
Consumer staples	79,121	78,957	77,046	+0.2	+2.5	+0.2	79,998	75,668	71,629	73,294	+9.1	227,295	206,667
Machinery and equipment	71,302	69,944	71,852	+1.9	-2.7	+2.9	81,135	67,520	60,337	76,810	+5.6	208,992	196,283
Business supplies	28,426	27,842	27,398	+2.1	+1.6	-1.2	28,817	27,138	24,954	26,580	+8.4	80,909	75,693
Construction materials and supplies	24,251	23,868	23,718	+1.6	+0.6	+0.5	24,526	22,783	20,633	22,881	+7.2	67,942	63,651
Defense products	6,845	6,280	6,496	+9.0	-3.3	-3.7	7,421	6,275	5,364	7,419	0.0	19,060	20,183
Other materials, supplies and and intermediate products	128,850	126,724	126,198	+1.7	+0.4	+0.6	135,989	127,954	116,724	123,572	+10.0	380,667	348,534
Durable goods industries :													
Nondefense capital goods [3]	58,048	57,327	58,867	+1.3	-2.6	+4.0	66,914	54,039	47,981	62,137	+7.7	168,934	155,163
Excluding aircraft and parts	51,958	50,097	51,134	+3.7	-2.0	+5.9	60,407	47,113	41,508	52,867	+14.3	149,028	130,700
Defense capital goods [4]	6,615	6,005	6,253	+10.2	-4.0	-4.1	7,190	5,948	5,069	7,173	+0.2	18,207	19,421
Durables excluding capital goods	146,567	143,223	144,322	+2.3	-0.8	+0.7	156,206	145,213	131,277	146,170	+6.9	432,696	406,263
Miscellaneous series :													
Producers' durable equipment	136,797	133,523	136,609	+2.5	-2.3	+1.8	152,697	132,986	119,137	144,571	+5.6	404,820	382,812
Household durable goods	11,219	11,085	11,117	+1.2	-0.3	+2.3	12,232	11,017	9,460	11,111	+10.1	32,709	29,738
Information technology industries	30,633	30,222	29,857	+1.4	+1.2	+8.7	36,562	27,680	23,464	31,010	+17.9	87,706	74,350
Health care equipment and products	13,349	13,517	13,234	-1.2	+2.1	-0.2	14,197	12,950	12,226	13,996	+1.4	39,373	37,489
NEW ORDERS													
All manufacturing industries	383,190	374,882	374,967	+2.2	0.0	-1.2	402,508	369,263	347,838	367,859	+9.4	1,119,609	1,033,004
Market categories :													
Automotive equipment	17,135	16,327	16,964	+4.9	-3.8	+0.1	18,821	17,413	15,892	17,807	+5.7	52,126	49,614
Home goods and apparel	21,155	21,007	21,033	+0.7	-0.1	+2.2	22,224	21,376	18,646	20,986	+5.9	62,246	58,290
Consumer staples	79,139	79,182	76,961	-0.1	+2.9	0.0	80,014	75,670	71,483	73,404	+9.0	227,167	206,711
Machinery and equipment	72,492	70,319	76,524	+3.1	-8.1	+1.2	81,521	68,402	66,392	74,907	+8.8	216,315	199,988
Business supplies	28,417	27,965	27,247	+1.6	+2.6	-2.0	28,855	27,120	24,873	26,744	+7.9	80,848	76,022
Construction materials and supplies	24,140	23,820	24,125	+1.3	-1.3	+2.0	24,492	22,830	21,279	23,099	+6.0	68,601	64,391
Defense products	6,229	7,018	6,709	-11.2	+4.6	-24.2	7,228	6,834	7,147	9,597	-24.7	21,209	23,203
Other materials, supplies and and intermediate products	134,483	129,244	125,404	+4.1	+3.1	-2.9	139,353	129,618	122,126	121,315	+14.9	391,097	354,785
Durable goods industries :													
Nondefense capital goods [3]	58,700	57,715	63,350	+1.7	-8.9	+1.1	66,674	54,922	53,637	60,457	+10.3	175,233	159,240
Excluding aircraft and parts	51,687	50,977	54,272	+1.4	-6.1	+5.8	59,244	48,488	45,819	53,753	+10.2	153,551	135,174
Defense capital goods [4]	6,152	6,688	6,812	-8.0	-1.8	-23.1	7,284	6,484	7,447	9,359	-22.2	21,215	22,558
Durables excluding capital goods	152,713	145,852	143,820	+4.7	+1.4	-1.9	159,668	147,010	137,814	144,365	+10.6	444,492	413,915
Miscellaneous series :													
Producers' durable equipment	138,841	133,907	141,595	+3.7	-5.4	+1.1	153,227	134,027	127,145	142,168	+7.8	414,399	387,550
Household durable goods	11,203	11,229	11,148	-0.2	+0.7	+1.7	11,970	11,304	10,002	11,209	+6.8	33,276	30,375
Information technology industries	31,182	30,002	30,460	+3.9	-1.5	-1.1	37,001	27,672	23,942	31,499	+17.5	88,615	75,991
Health care equipment and products	13,547	13,557	13,611	-0.1	-0.4	+1.0	13,906	12,851	12,946	13,351	+4.2	39,703	37,173

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines, construction, mining, and materi handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servi industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and engin and parts; ships and tank components; railroad equipment; and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tan and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99
UNFILLED ORDERS											
All manufacturing industries	552,718	546,636	542,619	+1.1	+0.7	+0.8	554,068	550,684	547,177	528,200	+4.9
Market categories :											
Automotive equipment	2,528	2,466	2,491	+2.5	-1.0	-1.4	2,598	2,554	2,574	2,584	+0.5
Home goods and apparel	9,460	9,545	9,436	-0.9	+1.2	+1.9	9,502	9,737	9,346	9,258	+2.6
Consumer staples	3,257	3,239	3,014	+0.6	+7.5	-2.8	2,938	2,921	2,919	2,306	+27.4
Machinery and equipment	246,435	245,244	244,870	+0.5	+0.2	+1.9	246,514	246,128	245,246	244,276	+0.9
Business supplies	7,405	7,415	7,292	-0.1	+1.7	-2.0	7,134	7,096	7,114	6,850	+4.1
Construction materials and supplies	17,899	18,009	18,057	-0.6	-0.3	+2.3	18,027	18,062	18,014	17,981	+0.3
Defense products	89,332	89,948	89,210	-0.7	+0.8	+0.2	91,232	91,425	90,866	93,936	-2.9
Other materials, supplies and and intermediate products	176,402	170,770	168,249	+3.3	+1.5	-0.5	176,123	172,761	171,098	151,009	+16.6
Durable goods industries :											
Nondefense capital goods [3]	262,548	261,896	261,508	+0.2	+0.1	+1.7	262,894	263,134	262,251	261,159	+0.7
Excluding aircraft and parts	119,395	119,666	118,786	-0.2	+0.7	+2.7	119,741	120,904	119,529	111,051	+7.8
Defense capital goods [4]	94,565	95,028	94,345	-0.5	+0.7	+0.6	96,648	96,554	96,018	98,850	-2.2
Durables excluding capital goods	169,997	163,851	161,222	+3.8	+1.6	-0.3	169,340	165,878	164,081	144,897	+16.9
Miscellaneous series :											
Producers' durable equipment	285,701	283,657	283,273	+0.7	+0.1	+1.8	286,105	285,575	284,534	284,242	+0.7
Household durable goods	6,015	6,031	5,887	-0.3	+2.4	+0.5	6,013	6,275	5,988	5,798	+3.7
Information technology industries	45,943	45,394	45,614	+1.2	-0.5	+1.3	45,756	45,317	45,325	40,757	+12.3
Health care equipment and products	10,673	10,475	10,435	+1.9	+0.4	+3.7	10,405	10,696	10,795	9,309	+11.8
TOTAL INVENTORIES											
All manufacturing industries	476,216	475,999	472,706	0.0	+0.7	+0.5	475,488	479,087	470,443	462,645	+2.8
Market categories :											
Automotive equipment	8,961	8,996	8,886	-0.4	+1.2	+0.6	9,120	9,047	8,769	8,937	+2.0
Home goods and apparel	31,735	31,828	31,835	-0.3	0.0	-0.1	31,455	31,733	31,521	31,193	+0.8
Consumer staples	78,122	77,775	77,086	+0.4	+0.9	+0.6	77,433	77,994	76,948	72,630	+6.6
Machinery and equipment	116,508	115,766	114,800	+0.6	+0.8	-0.7	116,106	116,799	113,361	117,839	-1.5
Business supplies	29,136	29,039	28,667	+0.3	+1.3	+0.9	29,140	28,823	28,175	28,190	+3.4
Construction materials and supplies	31,000	31,129	30,875	-0.4	+0.8	+1.0	31,250	31,540	30,888	29,007	+7.7
Defense products	18,152	18,941	19,091	-4.2	-0.8	+2.0	17,939	19,013	18,923	18,019	-0.4
Other materials, supplies and and intermediate products	162,602	162,525	161,466	0.0	+0.7	+1.0	163,045	164,138	161,858	156,830	+4.0
Durable goods industries :											
Nondefense capital goods [3]	107,161	106,261	105,326	+0.8	+0.9	-0.9	106,373	106,857	103,715	109,409	-2.8
Excluding aircraft and parts	73,106	73,701	73,588	-0.8	+0.2	-0.2	72,284	74,375	72,423	71,461	+1.2
Defense capital goods [4]	18,546	19,434	19,672	-4.6	-1.2	+2.3	18,339	19,564	19,451	18,382	-0.2
Durables excluding capital goods	172,598	172,810	171,568	-0.1	+0.7	+1.2	173,069	174,323	171,394	164,889	+5.0
Miscellaneous series :											
Producers' durable equipment	192,051	191,663	189,806	+0.2	+1.0	-0.2	191,622	192,867	187,860	190,251	+0.7
Household durable goods	16,650	16,689	16,655	-0.2	+0.2	+0.3	16,514	16,796	16,588	16,127	+2.4
Information technology industries	33,596	33,837	33,760	-0.7	+0.2	-1.9	32,863	33,958	32,821	32,279	+1.8
Health care equipment and products	21,262	21,207	21,154	+0.3	+0.3	+0.8	20,979	21,139	20,683	19,645	+6.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Mar. 1999	Mar. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	159,401	159,016	157,741	+0.2	+0.8	-0.2	158,812	159,641	158,772	152,705	+4.0
Durable goods industries	95,989	96,083	95,108	-0.1	+1.0	-0.7	95,000	96,282	95,626	91,271	+4.1
Stone, clay, and glass products	3,361	3,406	3,355	-1.3	+1.5	+1.3	3,326	3,420	3,367	3,163	+5.2
Primary metals	7,985	7,865	7,796	+1.5	+0.9	+1.2	7,725	7,771	7,921	7,307	+5.7
Fabricated metal products	10,979	10,941	10,797	+0.3	+1.3	+0.2	10,963	10,910	10,859	10,381	+5.6
Industrial machinery and equipment	20,413	20,179	19,859	+1.2	+1.6	-4.6	20,214	20,232	19,675	20,070	+0.7
Electronic and other electrical equipment	18,146	18,100	17,715	+0.3	+2.2	+0.9	17,963	18,143	17,684	15,423	+16.5
Transportation equipment	14,748	15,235	15,497	-3.2	-1.7	+1.9	14,732	15,351	15,666	15,065	-2.2
Instruments and related products	9,151	9,175	9,049	-0.3	+1.4	-3.2	9,113	9,101	9,028	9,142	-0.3
Lumber, furniture and miscellaneous durable goods	11,206	11,182	11,040	+0.2	+1.3	-0.2	10,964	11,354	11,426	10,720	+2.3
Nondurable goods industries	63,412	62,933	62,633	+0.8	+0.5	+0.5	63,812	63,359	63,146	61,434	+3.9
Food and kindred products	11,544	11,481	11,586	+0.5	-0.9	-1.0	11,633	11,572	11,810	11,508	+1.1
Tobacco products	4,526	4,548	4,590	-0.5	-0.9	+1.3	4,614	4,812	5,005	4,827	-4.4
Textile mill products	2,851	2,825	2,854	+0.9	-1.0	-1.1	2,881	2,858	2,853	2,883	-0.1
Paper and allied products	7,995	7,984	7,874	+0.1	+1.4	+1.5	8,063	8,015	7,880	7,807	+3.3
Chemicals and allied products	15,985	15,895	15,858	+0.6	+0.2	+0.2	15,959	15,970	15,872	15,488	+3.0
Petroleum and coal products	3,913	3,894	3,825	+0.5	+1.8	+10.7	4,012	3,851	3,724	3,267	+22.8
Rubber and plastics products	7,576	7,479	7,272	+1.3	+2.8	+0.9	7,610	7,564	7,327	6,774	+12.3
Apparel, printing and publishing and leather goods	9,022	8,827	8,774	+2.2	+0.6	-1.8	9,040	8,717	8,675	8,880	+1.8
WORK IN PROCESS											
All manufacturing industries	145,393	145,561	144,988	-0.1	+0.4	+0.4	144,472	145,701	143,053	147,292	-1.9
Durable goods industries	114,371	114,837	114,331	-0.4	+0.4	+0.6	113,944	115,157	112,590	118,080	-3.5
Stone, clay, and glass products	1,596	1,566	1,571	+1.9	-0.3	+0.4	1,678	1,641	1,566	1,404	+19.5
Primary metals	8,435	8,477	8,507	-0.5	-0.4	+2.2	8,485	8,538	8,515	8,278	+2.5
Fabricated metal products	9,101	9,304	9,168	-2.2	+1.5	+2.2	9,063	9,212	8,984	8,977	+1.0
Industrial machinery and equipment	20,718	21,503	21,714	-3.7	-1.0	+2.5	20,373	21,934	21,376	21,876	-6.9
Electronic and other electrical equipment	13,830	13,834	13,921	0.0	-0.6	-1.2	13,657	13,841	13,623	13,731	-0.5
Transportation equipment	44,926	44,192	43,619	+1.7	+1.3	-0.7	45,004	44,023	43,029	48,669	-7.5
Instruments and related products	9,870	10,115	10,048	-2.4	+0.7	+1.8	9,787	10,143	9,790	9,867	-0.8
Lumber, furniture and miscellaneous durable goods	5,895	5,846	5,783	+0.8	+1.1	+1.4	5,897	5,825	5,707	5,278	+11.7
Nondurable goods industries	31,022	30,724	30,657	+1.0	+0.2	-0.3	30,528	30,544	30,463	29,212	+4.5
Food and kindred products	6,453	6,334	6,257	+1.9	+1.2	-0.1	6,374	6,452	6,577	6,000	+6.2
Tobacco products	101	121	123	-16.5	-1.6	0.0	96	130	132	92	+4.3
Textile mill products	2,506	2,512	2,484	-0.2	+1.1	+1.3	2,503	2,520	2,491	2,509	-0.2
Paper and allied products	1,706	1,744	1,741	-2.2	+0.2	+1.3	1,721	1,789	1,789	1,675	+2.7
Chemicals and allied products	8,874	8,651	8,647	+2.6	0.0	-2.6	8,672	8,511	8,389	8,536	+1.6
Petroleum and coal products	3,386	3,278	3,316	+3.3	-1.1	+2.3	3,364	3,198	3,229	2,434	+38.2
Rubber and plastics products	2,231	2,204	2,183	+1.2	+1.0	-3.3	2,251	2,229	2,205	2,293	-1.8
Apparel, printing and publishing and leather goods	5,765	5,880	5,906	-2.0	-0.4	+1.8	5,547	5,715	5,651	5,673	-2.2
FINISHED GOODS											
All manufacturing industries	171,422	171,422	169,977	0.0	+0.9	+1.2	172,204	173,745	168,618	162,648	+5.9
Durable goods industries	87,945	87,585	87,127	+0.4	+0.5	+1.7	88,837	89,305	86,344	83,329	+6.6
Stone, clay, and glass products	5,031	5,059	5,094	-0.6	-0.7	+1.7	5,189	5,244	5,155	4,915	+5.6
Primary metals	8,300	8,354	8,344	-0.6	+0.1	+1.4	8,373	8,523	8,403	8,011	+4.5
Fabricated metal products	11,708	11,666	11,704	+0.4	-0.3	+0.4	12,001	11,840	11,625	11,685	+2.7
Industrial machinery and equipment	19,587	19,206	19,120	+2.0	+0.4	+3.9	19,873	19,847	19,243	18,492	+7.5
Electronic and other electrical equipment	11,870	11,989	11,976	-1.0	+0.1	0.0	11,778	12,170	11,663	10,828	+8.8
Transportation equipment	10,318	10,413	9,955	-0.9	+4.6	0.0	10,425	10,657	9,662	9,717	+7.3
Instruments and related products	8,306	8,100	8,185	+2.5	-1.0	+2.8	8,159	8,023	7,898	7,444	+9.6
Lumber, furniture and miscellaneous durable goods	12,825	12,798	12,749	+0.2	+0.4	+2.3	13,039	13,001	12,695	12,237	+6.6
Nondurable goods industries	83,477	83,837	82,850	-0.4	+1.2	+0.7	83,367	84,440	82,274	79,319	+5.1
Food and kindred products	21,310	21,349	21,178	-0.2	+0.8	+0.6	20,854	21,350	21,049	19,769	+5.5
Tobacco products	664	622	450	+6.8	+38.2	+0.2	663	807	522	497	+33.4
Textile mill products	4,867	4,826	4,793	+0.8	+0.7	-0.6	4,864	4,881	4,765	4,690	+3.7
Paper and allied products	6,834	6,831	6,766	0.0	+1.0	+2.6	6,945	6,893	6,760	6,754	+2.8
Chemicals and allied products	22,928	23,148	23,121	-1.0	+0.1	+1.0	23,296	23,781	23,179	22,146	+5.2
Petroleum and coal products	6,141	6,087	5,664	+0.9	+7.5	+2.0	5,925	5,851	5,536	4,702	+26.0
Rubber and plastics products	8,119	8,238	8,126	-1.4	+1.4	+0.1	8,372	8,540	8,214	7,900	+6.0
Apparel, printing and publishing and leather goods	12,614	12,736	12,752	-1.0	-0.1	-0.4	12,448	12,337	12,249	12,861	-3.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Dec. 1999	Mar. 2000[p]	Feb. 2000[r]	Jan. 2000	Dec. 1999
All manufacturing industries	1.26	1.28	1.28	1.28	2.59	2.61	2.57	2.57
Durable goods industries	1.41	1.45	1.42	1.43	3.03	3.05	2.99	3.01
Stone, clay, and glass products	1.09	1.12	1.13	1.11	0.74	0.75	0.76	0.74
Primary metals	1.54	1.55	1.53	1.54	1.97	1.99	1.98	2.02
Fabricated metal products	1.52	1.56	1.53	1.54	1.27	1.29	1.29	1.31
Industrial machinery and equipment	1.48	1.51	1.47	1.56	2.16	2.20	2.10	2.21
Electronic and other electrical equipment	1.13	1.16	1.15	1.20	2.43	2.31	2.23	2.36
Transportation equipment	1.44	1.49	1.42	1.38	9.17	9.43	9.11	8.39
Instruments and related products	1.80	1.86	1.86	1.79	3.10	3.18	3.21	3.06
Nondurable goods industries	1.07	1.08	1.09	1.09	0.65	0.67	0.66	0.66
Food and kindred products	0.93	0.93	0.94	0.93	(X)	(X)	(X)	(X)
Tobacco products	1.20	1.23	1.20	1.18	(X)	(X)	(X)	(X)
Textile mill products	1.57	1.54	1.57	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.12	1.16	1.16	1.12	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.31	1.30	1.34	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.68	0.68	0.70	0.70	(X)	(X)	(X)	(X)
Rubber and plastics products	1.23	1.24	1.23	1.22	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 2000	Mar.[2] 1995-1999	Mar 1999-Feb. 2000	Mar.[1] 2000	Mar.[2] 1995-1999	Mar. 1999-Feb. 2000	Mar.[1] 2000	Mar.[2] 1995-1999	Mar. 1999-Feb. 2000	Mar.[1] 2000	Mar.[2] 1995-1999	Mar. 1999-Feb. 2000
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.8	0.2	0.2	0.9	0.3	0.4	0.1	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.4	0.3	(X)	0.9	0.3	(X)	0.4	0.4	(X)	0.2	0.3
Primary metals	-0.3	0.4	0.3	-0.1	0.8	0.9	0.1	0.3	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.3	(X)	0.5	0.4	(X)	0.3	0.3	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.2	0.4	0.4	0.4	0.5	0.3	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.5	0.3	0.4	0.5	0.7	1.5	0.2	0.4	0.7	(X)	0.2	0.2
Transportation equipment	1.7	0.5	0.5	2.3	1.0	1.1	0.2	0.1	0.2	(X)	0.1	0.1
Instruments and related products	(X)	0.7	0.8	(X)	0.3	0.8	(X)	0.1	0.2	(X)	0.1	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.3	0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
Capital goods industries :												
Nondefense	0.9	0.1	0.2	-0.3	0.7	0.5	-0.2	0.1	0.1	(X)	0.1	0.1
Defense	11.4	0.3	0.8	22.6	2.5	4.8	1.0	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

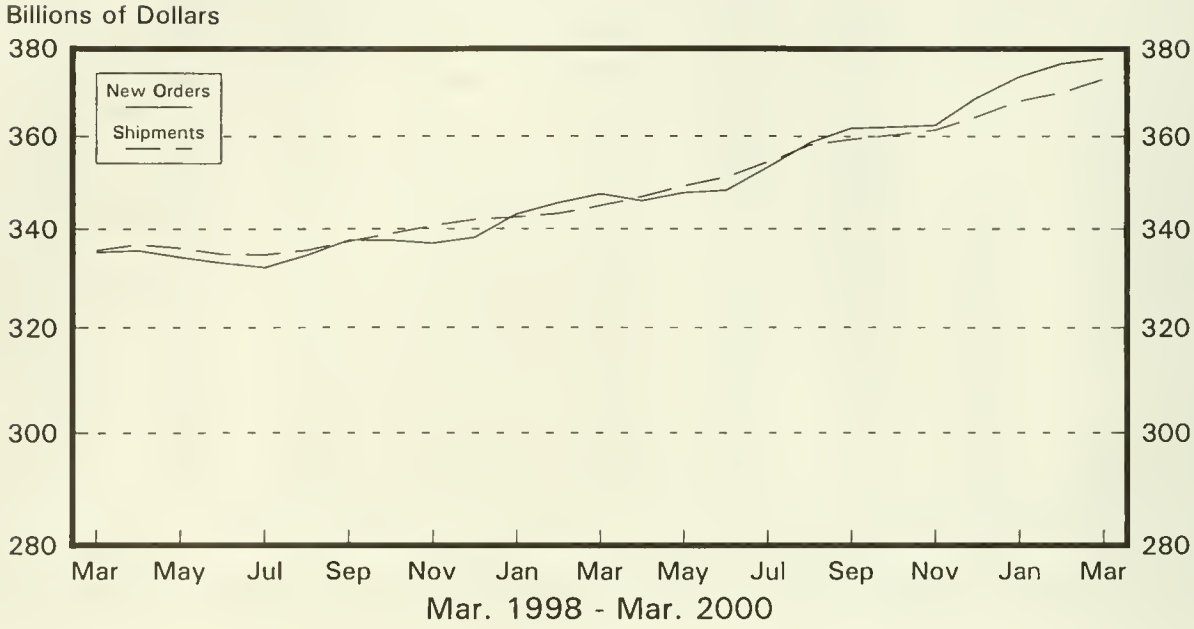
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

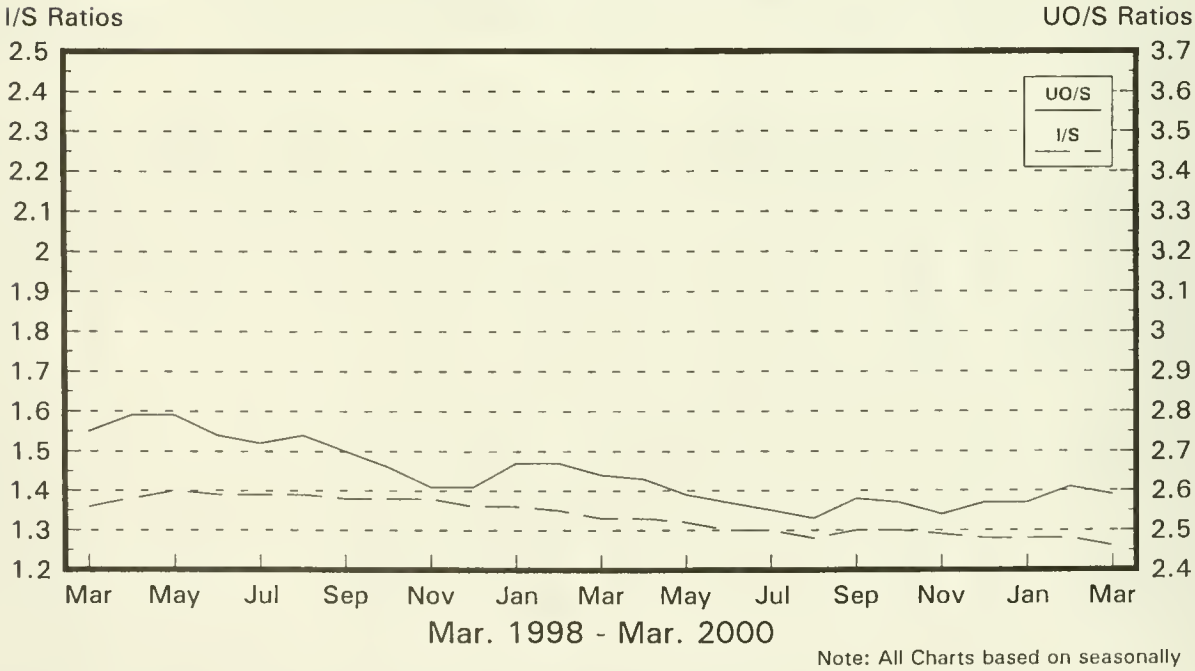
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

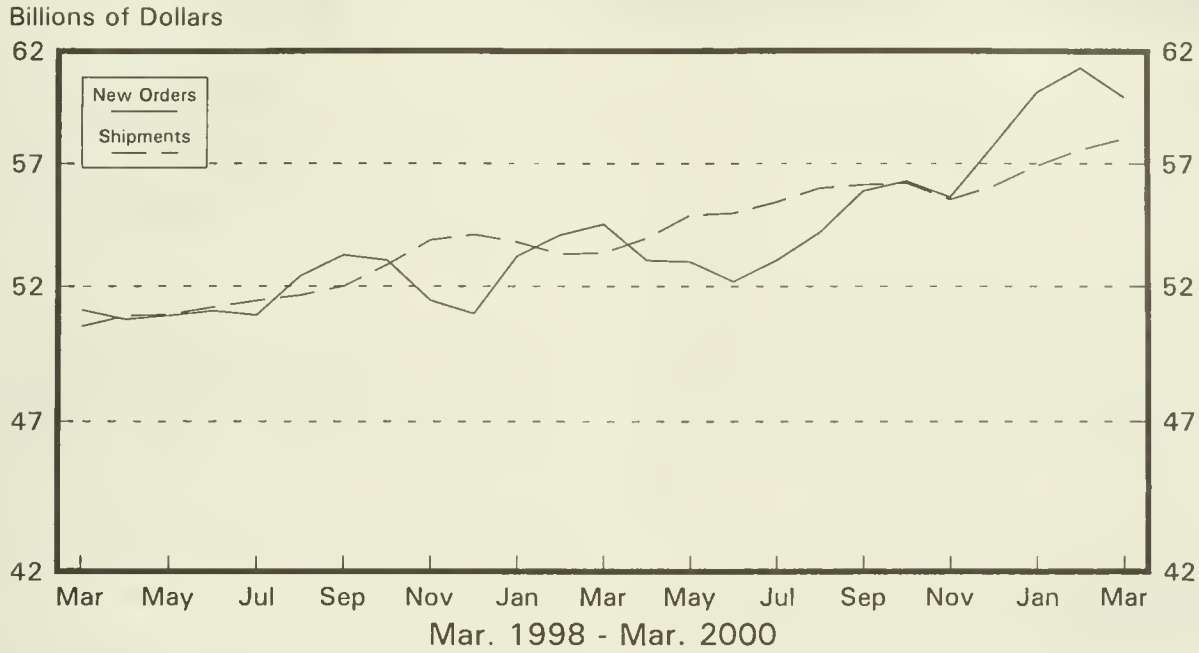
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

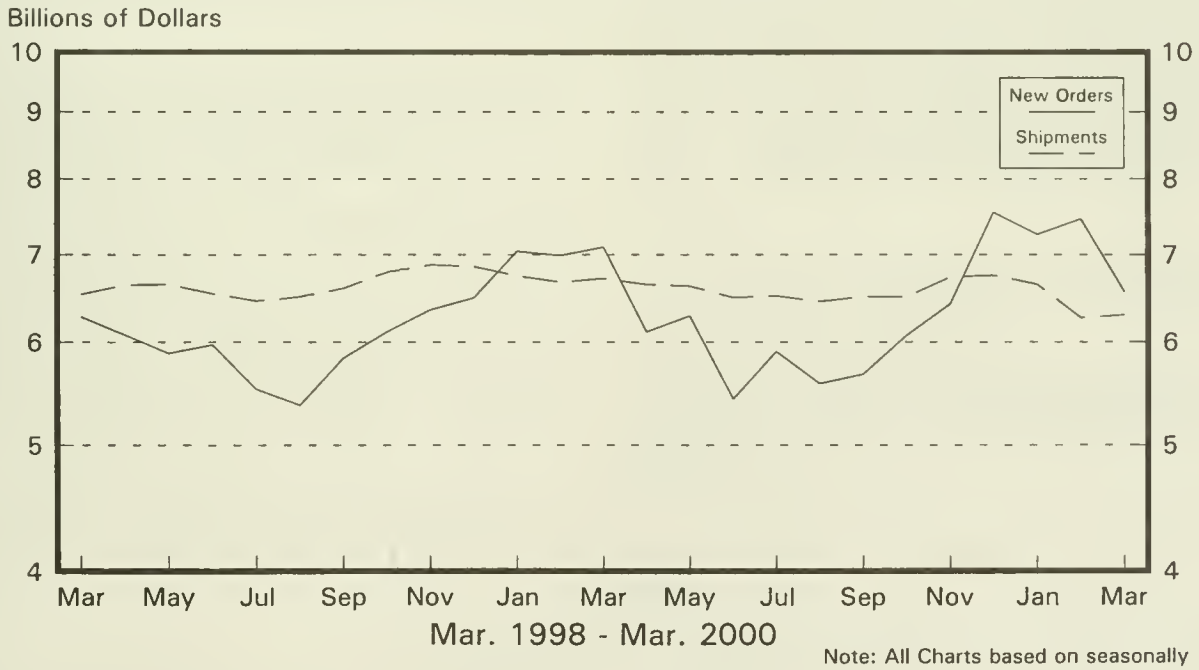
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
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April 2000
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For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in April decreased $16.6 billion or 4.3 percent to $368.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.7 percent March increase. Excluding transportation, new orders decreased 4.0 percent. Year to date, new orders are 8.4 percent above the same period a year ago.

Shipments decreased $4.5 billion or 1.2 percent to $373.0 billion, following a 1.8 percent March increase. This is the first decrease since September 1999 and the largest since January 1998. Year to date, shipments are 8.0 percent above the same period a year ago.

Unfilled orders decreased $4.5 billion or 0.8 percent to $549.7 billion, following a 1.4 percent March increase. This is the first decrease since June 1999 and the largest since November 1998. The unfilled orders-to-shipments ratio was 2.57, down from 2.59 in March.

Inventories increased $2.0 billion or 0.4 percent to $477.9 billion, following a slight March decrease. This is the seventh increase in the last eight months. The inventories-to-shipments ratio was 1.28, up from 1.26 in March.

New Orders

New orders for manufactured durable goods in April decreased $14.1 billion or 6.5 percent to $205.0 billion, revised from the previously published 6.4 percent decrease. This is the largest decrease since December 1991.

Electronic and other electrical equipment had the largest decrease, $9.0 billion or 20.2 percent to $35.7 billion, mostly due to electronic components. This is the largest decrease on record. Transportation equipment decreased $3.2 billion or 6.7 percent to $45.1 billion; all components decreased, led by motor vehicles and parts. Instruments and related products decreased $2.1 billion or 12.8 percent to $14.0 billion. This is the largest decrease since August 1997. Industrial machinery and equipment increased $1.5 billion or 3.7 percent to $43.7 billion, mostly due to computer and office equipment.

New orders for nondurable goods decreased $2.4 billion or 1.5 percent to $163.5 billion. This is the largest decrease since August 1992. Petroleum and coal products and chemicals and allied products had the largest decreases.

Shipments

Shipments of durable goods in April decreased $1.9 billion or 0.9 percent to $209.5 billion, revised from the previously published 0.8 percent decrease.

Transportation equipment had the largest decrease, $2.2 billion or 4.4 percent to $46.6 billion; decreases in motor vehicles and parts and railroad equipment more than offset an increase in aircraft and parts. Instruments and related products decreased $0.6 billion or 4.2 percent to $14.5 billion. This is the largest decrease since October 1988. Industrial machinery and equipment, led by computer and office equipment, increased $1.8 billion or 4.5 percent to $43.1 billion.

Shipments of nondurable goods decreased $2.6 billion or 1.6 percent to $163.5 billion. This is the largest decrease since August 1992. Petroleum and coal products had the largest decrease, $1.7 billion or 8.5 percent to $18.5 billion. This is the first decrease since October 1999 and the largest since February 1991.

Unfilled Orders

Unfilled orders for durable goods in April decreased $4.5 billion or 0.9 percent to $523.9 billion, revised from the previously published 0.8 percent decrease. This is the first decrease since June 1999. Electronic and other electrical equipment had the largest decrease, $3.1 billion or 3.3 percent to $90.7 billion, due to electronic components. This is the largest decrease since July 1997. Transportation equipment, down twenty of the last twenty-four months, decreased $1.5 billion or 0.7 percent to $228.1 billion. Instruments and related products decreased $0.5 billion or 1.0 percent to $47.4 billion. Industrial machinery and equipment increased $0.6 billion or 0.7 percent to $85.6 billion.

Inventories

Inventories of durable goods in April increased $1.4 billion or 0.5 percent to $299.4 billion. This is the seventh increase in the last eight months.

Electronic and other electrical equipment had the largest increase, $0.5 billion or 1.2 percent to $44.3 billion. This is the thirteenth increase in the last fifteen months. Instruments and related products increased $0.4 billion or 1.4 percent to $27.7 billion.

Inventories of nondurable goods, up ten consecutive months, increased $0.6 billion or 0.3 percent to $178.5 billion.

By stage of fabrication, April finished goods increased 0.5 percent in durables and 0.8 percent in nondurables. Work in process increased 0.7 percent in durables and 0.3 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.2 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for May is scheduled for June 28, 2000 at 8:30 a.m. and the full report on July 6, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99	2000[p]	1999
All manufacturing industries	373,036	377,562	370,865	-1.2	+1.8	+0.1	366,938	400,591	365,756	343,780	+6.7	1,466,637	1,361,570
Manufacturing Industries													
with unfilled orders	213,514	213,698	209,480	-0.1	+2.0	-0.8	206,411	229,720	205,875	193,518	+6.7	827,967	774,843
without defense capital goods	366,725	370,914	364,860	-1.1	+1.7	+0.2	361,012	393,350	359,808	337,625	+6.9	1,442,453	1,335,994
Durable goods industries	209,548	211,477	206,555	-0.9	+2.4	-1.4	205,400	231,213	205,200	194,694	+5.5	826,140	775,541
With unfilled orders	174,393	174,194	170,606	+0.1	+2.1	-1.2	168,436	190,109	167,685	157,582	+6.9	676,771	631,203
Stone, clay, and glass products	8,897	9,000	8,963	-1.1	+0.4	+0.8	8,948	9,000	8,406	8,575	+4.3	34,097	32,073
Primary metals	15,755	16,042	15,969	-1.8	+0.5	-0.8	16,236	16,935	16,424	14,731	+10.2	64,928	58,194
Blast furnaces, steel mills	5,995	6,300	6,172	-4.8	+2.1	-0.4	6,170	6,688	6,402	5,693	+8.4	25,293	22,610
Iron and steel foundries	1,430	1,493	1,478	-4.2	+1.0	-9.0	1,491	1,605	1,539	1,580	-5.6	6,133	6,219
Nonferrous and other primary metals	8,330	8,249	8,319	+1.0	-0.8	+0.6	8,575	8,642	8,483	7,458	+15.0	33,502	29,365
Fabricated metal products	20,517	20,859	20,521	-1.6	+1.6	-0.7	20,523	21,815	20,611	20,541	-0.1	81,714	80,957
Industrial machinery and equipment	43,080	41,236	40,193	+4.5	+2.6	-2.7	41,373	48,699	38,750	35,872	+15.3	163,180	145,518
Engines and turbines	2,893	2,667	2,762	+8.5	-3.4	-15.0	2,563	3,001	2,565	2,263	+13.3	10,541	9,053
Farm and garden machinery	1,987	2,124	1,933	-6.5	+9.9	+2.2	2,865	3,077	2,294	2,688	+6.6	9,969	9,453
Construction, mining and material handling equipment	3,963	4,014	3,921	-1.3	+2.4	-1.9	4,102	4,672	4,064	4,051	+1.3	16,418	16,244
Metalworking machinery	3,962	3,966	3,633	-0.1	+9.2	-4.4	3,628	4,226	3,384	3,157	+14.9	14,211	12,930
Computer and office equipment	14,407	12,972	12,916	+11.1	+0.4	+1.2	11,892	16,651	11,425	9,285	+28.1	49,493	41,588
Electronic and other electrical equipment	38,816	38,782	37,987	+0.1	+2.1	-0.1	35,752	41,976	36,667	30,994	+15.4	146,812	125,502
Electrical transmission and distribution equipment and industrial apparatus	3,936	4,200	4,133	-6.3	+1.6	-0.1	3,854	4,693	4,206	3,694	+4.3	16,367	14,702
Household appliances	2,366	2,499	2,486	-5.3	+0.5	+0.5	2,345	2,799	2,452	2,399	-2.3	9,615	9,143
Electric lighting and wiring equipment	2,510	2,587	2,523	-3.0	+2.5	-2.4	2,332	2,799	2,515	2,176	+7.2	9,898	8,950
Household audio and video equipment	1,333	1,226	1,143	+8.7	+7.3	+2.2	1,175	1,193	1,040	911	+29.0	4,370	3,784
Communications equipment	10,223	9,916	9,788	+3.1	+1.3	-0.3	8,817	11,395	8,856	7,030	+25.4	36,685	29,248
Electronic components	16,325	16,117	15,807	+1.3	+2.0	+2.3	15,350	16,876	15,586	12,724	+20.6	61,721	51,361
Transportation equipment	46,623	48,787	46,845	-4.4	+4.1	-3.7	47,910	53,705	49,059	49,661	-3.5	195,122	196,619
Motor vehicles and parts	32,113	34,329	33,026	-6.5	+3.9	-3.8	33,711	38,097	35,689	34,451	-2.1	140,049	136,784
Aircraft, missiles, space vehicles, and parts	11,105	10,157	10,291	+9.3	-1.3	-6.4	10,836	11,015	9,904	11,925	-9.1	40,812	46,792
Shipbuilding and tanks	1,003	1,074	1,046	-6.6	+2.7	-2.2	993	1,159	1,025	939	+5.8	4,043	3,724
Instruments and related products	14,458	15,099	14,754	-4.2	+2.3	+0.7	13,584	16,366	14,492	13,463	+0.9	57,159	55,359
Search and navigation equipment	2,907	3,167	3,002	-8.2	+5.5	-3.7	2,713	3,441	3,015	2,966	-8.5	11,828	12,251
Measuring and controlling devices	4,534	4,891	4,705	-7.3	+4.0	+6.8	4,253	5,363	4,761	3,859	+10.2	18,297	16,092
Medical instruments and supplies	4,651	4,581	4,579	+1.5	0.0	-1.8	4,319	5,011	4,456	4,382	-1.4	17,882	18,478
Photographic goods	1,855	1,956	1,974	-5.2	-0.9	+0.1	1,769	2,027	1,789	1,754	+0.9	7,199	6,647
All other durable goods	21,402	21,672	21,323	-1.2	+1.6	+0.9	21,074	22,717	20,791	20,857	+1.0	83,128	81,319
Nondurable goods industries	163,488	166,085	164,310	-1.6	+1.1	+2.0	161,538	169,378	160,556	149,086	+8.4	640,497	586,029
With unfilled orders	39,121	39,504	38,874	-1.0	+1.6	+1.2	37,975	39,611	38,190	35,936	+5.7	151,196	143,640
Food and kindred products	42,570	42,315	42,051	+0.6	+0.6	+1.1	41,538	42,999	40,883	39,627	+4.8	164,326	161,326
Meat products	9,702	9,596	9,605	+1.1	-0.1	+4.1	9,491	9,530	9,459	8,406	+12.9	37,112	33,402
Dairy products	6,327	6,291	6,116	+0.6	+2.9	+1.7	6,024	6,524	5,927	5,802	+3.8	24,311	25,629
Beverages	6,635	6,643	6,598	-0.1	+0.7	+0.3	6,682	6,577	5,967	6,358	+5.1	24,953	23,595
All other foods, except fats and oils	18,113	17,905	17,907	+1.2	0.0	-0.8	17,548	18,488	17,705	17,239	+1.8	70,717	71,041
Tobacco products	4,263	4,351	4,306	-2.0	+1.0	-0.1	3,903	4,758	4,225	3,840	+1.6	16,986	16,220
Textile mill products	6,536	6,573	6,598	-0.6	-0.4	+2.1	6,275	6,973	6,427	6,311	-0.6	25,267	25,082
Broadwoven fabrics and other textiles	3,583	3,622	3,672	-1.1	-1.4	+3.8	3,470	4,008	3,651	3,670	-5.4	14,285	14,797
Paper and allied products	14,541	14,742	14,309	-1.4	+3.0	+1.0	14,229	14,897	14,438	13,138	+8.3	57,214	53,313
Pulp, paper, and paperboard mill products	5,828	5,793	5,816	+0.6	-0.4	+1.5	5,675	5,842	5,943	4,980	+14.0	23,005	20,387
Paperboard containers and boxes	4,027	3,993	3,844	+0.9	+3.9	+1.6	4,051	4,069	3,852	3,296	+22.9	15,643	13,256
Miscellaneous converted paper products	4,686	4,956	4,649	-5.4	+6.6	-0.1	4,503	4,986	4,643	4,862	-7.4	18,566	19,670
Chemicals and allied products	35,942	36,275	36,579	-0.9	-0.8	+2.6	36,488	38,276	35,858	34,533	+5.7	144,278	133,390
Industrial chemicals	15,912	16,084	16,027	-1.1	+0.4	+0.8	15,998	16,631	16,219	14,766	+8.3	64,071	58,928
Drugs, soaps, and toiletries	16,290	16,074	16,496	+1.3	-2.6	+4.3	15,626	16,783	15,646	14,658	+6.6	63,052	57,720
Petroleum and coal products	18,481	20,191	19,433	-8.5	+3.9	+6.1	18,608	19,158	17,825	13,221	+40.7	71,822	44,611
Rubber and plastics products	14,377	14,583	14,441	-1.4	+1.0	+1.0	14,838	15,495	14,704	13,910	+6.7	58,280	54,428
All other nondurable goods	26,778	27,055	26,593	-1.0	+1.7	+1.1	25,659	26,822	26,196	24,506	+4.7	102,324	97,659

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99	2000[p]	1999
All manufacturing industries	368,536	385,097	374,882	-4.3	+2.7	0.0	366,400	406,223	369,263	345,401	+6.1	1,489,724	1,378,405
Manufacturing industries													
with unfilled orders	209,014	221,233	213,497	-5.5	+3.6	-0.9	205,873	235,352	209,382	195,139	+5.5	851,054	791,678
without defense capital goods	363,314	378,823	368,194	-4.1	+2.9	0.0	361,677	398,598	362,779	340,358	+6.3	1,463,445	1,350,804
Durable goods industries	205,018	219,165	210,255	-6.5	+4.2	-1.7	204,708	236,632	208,416	196,132	+4.4	848,654	791,845
With unfilled orders	169,863	181,882	174,306	-6.6	+4.3	-1.6	167,744	195,528	170,901	159,020	+5.5	699,285	647,507
Stone, clay, and glass products	8,915	9,013	8,946	-1.1	+0.7	-1.4	8,971	9,028	8,413	8,439	+6.3	34,487	32,249
Primary metals	15,496	15,898	15,824	-2.5	+0.5	-1.5	15,689	16,992	17,262	15,068	+4.1	66,328	60,439
Blast furnaces, steel mills	5,715	6,189	6,130	-7.7	+1.0	-2.0	5,742	6,659	6,899	5,987	-4.1	26,032	24,070
Iron and steel foundries	1,394	1,505	1,476	-7.4	+2.0	-9.1	1,414	1,683	1,618	1,553	-9.0	6,339	6,149
Nonferrous and other primary metals	8,387	8,204	8,218	+2.2	-0.2	+0.4	8,533	8,650	8,745	7,528	+13.4	33,957	30,220
Fabricated metal products	20,604	21,024	20,387	-2.0	+3.1	-1.2	20,671	22,017	20,603	20,224	+2.2	82,415	81,385
Industrial machinery and equipment	43,663	42,123	41,365	+3.7	+1.8	-3.7	41,855	48,622	40,228	37,830	+10.6	167,679	150,053
Engines and turbines	2,739	3,398	3,092	-19.4	+9.9	-7.0	2,065	3,254	2,631	3,875	-46.7	10,365	12,122
Construction, mining and material handling equipment	3,963	4,041	3,978	-1.9	+1.6	-0.8	4,041	4,801	4,373	3,898	+3.7	17,137	16,444
Metalworking machinery	3,985	3,818	3,884	+4.4	-1.7	-8.7	3,651	4,078	3,635	3,322	+9.9	14,789	13,268
Computer and office equipment	14,412	12,903	13,086	+11.7	-1.4	+3.3	12,008	16,459	11,750	9,256	+29.7	49,514	41,562
Electronic and other electrical equipment	35,688	44,714	41,056	-20.2	+8.9	+9.9	36,207	45,842	38,024	35,334	+2.5	156,208	134,704
Electrical transmission and distribution equipment and industrial apparatus	4,114	4,166	4,170	-1.2	-0.1	+0.3	4,048	4,636	4,363	3,698	+9.5	16,871	14,988
Electric lighting and wiring equipment	2,687	2,457	2,584	+9.4	-4.9	-10.1	2,509	2,669	2,576	2,268	+10.6	10,294	9,197
Communications equipment	10,798	10,513	9,935	+2.7	+5.8	-5.6	9,047	11,835	9,130	6,976	+29.7	38,069	30,179
Electronic components	12,256	21,093	18,491	-41.9	+14.1	+34.2	15,287	20,096	16,245	17,155	-10.9	67,771	58,902
Transportation equipment	45,114	48,355	46,609	-6.7	+3.7	-9.4	46,400	53,912	48,578	43,580	+6.5	198,499	194,289
Aircraft, missiles, space vehicles, and parts	9,988	10,583	9,482	-5.6	+11.6	-26.0	9,931	12,188	8,727	7,193	+38.1	43,701	44,227
Shipbuilding and tanks	481	830	1,761	-42.0	-52.9	107.2	497	907	1,817	648	-23.3	3,872	4,872
Instruments and related products	13,994	16,049	14,546	-12.8	+10.3	-5.0	13,281	17,147	14,312	14,340	-7.4	58,579	56,380
Search and navigation equipment	2,715	3,415	2,826	-20.5	+20.8	-11.4	2,540	3,857	2,933	3,463	-26.7	12,182	12,898
Measuring and controlling devices	4,534	5,239	4,649	-13.5	+12.7	+0.5	4,253	5,711	4,705	3,826	+11.2	18,812	16,325
Medical instruments and supplies	4,377	4,934	4,618	-11.3	+6.8	-8.3	4,236	5,008	4,356	4,912	-13.8	18,416	18,692
All other durable goods	21,544	21,989	21,522	-2.0	+2.2	+1.7	21,634	23,072	20,996	21,317	+1.5	84,459	82,346
Nondurable goods industries	163,518	165,932	164,627	-1.5	+0.8	+2.3	161,692	169,591	160,847	149,269	+8.3	641,070	586,560
With unfilled orders	39,151	39,351	39,191	-0.5	+0.4	+2.4	38,129	39,824	38,481	36,119	+5.6	151,769	144,171

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99
All manufacturing industries	549,671	554,171	546,636	-0.8	+1.4	+0.7	555,778	556,316	550,684	529,821	+4.9
Manufacturing industries without defense capital goods	456,106	459,517	451,608	-0.7	+1.8	+0.7	460,043	459,378	454,130	432,083	+6.5
Durable goods industries	523,933	528,463	520,775	-0.9	+1.5	+0.7	530,293	530,985	525,566	506,344	+4.7
Stone, clay, and glass products	6,528	6,510	6,497	+0.3	+0.2	-0.3	6,627	6,604	6,576	6,247	+6.1
Primary metals	31,338	31,597	31,741	-0.8	-0.5	-0.5	32,521	33,068	33,011	31,092	+4.6
Blast furnaces, steel mills	12,707	12,987	13,098	-2.2	-0.8	-0.3	13,372	13,800	13,829	12,495	+7.0
Iron and steel foundries	4,713	4,749	4,737	-0.8	+0.3	0.0	4,870	4,947	4,869	5,282	-7.8
Nonferrous and other primary metals	13,918	13,861	13,906	+0.4	-0.3	-0.7	14,279	14,321	14,313	13,315	+7.2
Fabricated metal products	25,276	25,189	25,024	+0.3	+0.7	-0.5	25,449	25,301	25,099	25,862	-1.6
Industrial machinery and equipment	85,566	84,983	84,096	+0.7	+1.1	+1.4	85,726	85,244	85,321	78,976	+8.5
Engines and turbines	25,199	25,353	24,622	-0.6	+3.0	+1.4	24,622	25,120	24,867	21,794	+13.0
Construction, mining and material handling equipment	8,871	8,871	8,844	0.0	+0.3	+0.6	9,298	9,359	9,230	9,833	-5.4
Metalworking machinery	7,068	7,045	7,193	+0.3	-2.1	+3.6	7,068	7,045	7,193	6,784	+4.2
Computer and office equipment	8,831	8,826	8,895	+0.1	-0.8	+1.9	8,702	8,586	8,778	7,915	+9.9
Electronic and other electrical equipment	90,668	93,796	87,864	-3.3	+6.8	+3.6	93,083	92,628	88,762	67,008	+38.9
Electrical transmission and distribution equipment and industrial apparatus	7,269	7,091	7,125	+2.5	-0.5	+0.5	7,400	7,206	7,263	6,467	+14.4
Electric lighting and wiring equipment	5,428	5,251	5,381	+3.4	-2.4	+1.1	5,428	5,251	5,381	5,269	+3.0
Communications equipment	26,987	26,412	25,815	+2.2	+2.3	+0.6	27,007	26,777	26,337	17,988	+50.1
Electronic components	44,402	48,471	43,495	-8.4	+11.4	+6.6	46,524	46,587	43,367	31,196	+49.1
Transportation equipment	228,059	229,568	230,000	-0.7	-0.2	-0.1	229,759	231,269	231,062	240,254	-4.4
Aircraft, missiles, space vehicles, and parts	191,742	192,859	192,433	-0.6	+0.2	-0.4	193,397	194,302	193,129	201,443	-4.0
Shipbuilding and tanks	19,350	19,872	20,116	-2.6	-1.2	+3.7	19,357	19,853	20,105	20,470	-5.4
Instruments and related products	47,354	47,818	46,868	-1.0	+2.0	-0.4	47,916	48,219	47,438	48,206	-0.6
Search and navigation equipment	25,279	25,471	25,223	-0.8	+1.0	-0.7	25,774	25,947	25,531	27,075	-4.8
Measuring and controlling devices	10,647	10,647	10,299	0.0	+3.4	-0.5	10,647	10,647	10,299	10,418	+2.2
Medical instruments and supplies	10,510	10,784	10,431	-2.5	+3.4	+0.4	10,569	10,652	10,655	9,800	+7.8
All other durable goods	9,144	9,002	8,685	+1.6	+3.6	+2.3	9,212	8,652	8,297	8,699	+5.9
Nondurable goods industries	25,738	25,708	25,861	+0.1	-0.6	+1.2	25,485	25,331	25,118	23,477	+8.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99
All manufacturing industries	477,934	475,887	475,999	+0.4	0.0	+0.7	480,703	474,765	479,087	465,450	+3.3
Manufacturing industries											
with unfilled orders	315,246	313,976	314,444	+0.4	-0.1	+0.7	317,641	312,312	315,425	311,178	+2.1
without defense capital goods	459,007	457,367	456,565	+0.4	+0.2	+0.8	461,912	456,482	459,523	447,150	+3.3
Durable goods industries	299,404	297,959	298,505	+0.5	-0.2	+0.7	301,282	297,082	300,744	294,019	+2.5
With unfilled orders	273,761	272,462	273,003	+0.5	-0.2	+0.7	275,586	270,813	274,228	269,808	+2.1
Stone, clay, and glass products	9,994	9,947	10,031	+0.5	-0.8	+0.1	10,165	10,147	10,305	9,443	+7.6
Primary metals	24,941	24,733	24,696	+0.8	+0.1	+0.2	24,839	24,576	24,832	23,527	+5.6
Blast furnaces, steel mills	12,033	11,770	11,712	+2.2	+0.5	+0.7	11,804	11,537	11,728	11,321	+4.3
Iron and steel foundries	1,581	1,577	1,587	+0.3	-0.6	-0.6	1,639	1,626	1,621	1,674	-2.1
Nonferrous and other primary metals	11,327	11,386	11,397	-0.5	-0.1	-0.2	11,396	11,413	11,483	10,532	+8.2
Fabricated metal products	31,843	31,754	31,911	+0.3	-0.5	+0.8	32,198	31,974	31,962	31,201	+3.2
Industrial machinery and equipment	60,253	60,347	60,888	-0.2	-0.9	+0.3	60,809	60,111	62,013	61,050	-0.4
Engines and turbines	4,560	4,642	4,639	-1.8	+0.1	+0.8	4,622	4,552	4,636	4,419	+4.6
Farm and garden machinery	3,710	3,780	3,814	-1.9	-0.9	-0.9	3,685	4,091	4,306	3,629	+1.5
Construction, mining and material handling equipment	8,793	8,752	8,924	+0.5	-1.9	+0.1	8,916	8,845	9,125	9,152	-2.6
Metalworking machinery	8,038	8,051	8,095	-0.2	-0.5	+0.4	8,112	7,897	8,016	8,132	-0.2
Computer and office equipment	8,341	8,456	8,558	-1.4	-1.2	-1.3	8,407	7,994	8,743	9,113	-7.7
Electronic and other electrical equipment	44,337	43,797	43,923	+1.2	-0.3	+0.7	45,040	43,221	44,154	41,138	+9.5
Electrical transmission and distribution equipment and industrial apparatus	5,386	5,392	5,421	-0.1	-0.5	-0.2	5,411	5,390	5,541	5,326	+1.6
Household appliances	2,570	2,475	2,515	+3.8	-1.6	-0.3	2,762	2,545	2,630	2,560	+7.9
Electric lighting and wiring equipment	3,999	3,848	3,879	+3.9	-0.8	+2.0	4,060	3,758	3,880	3,577	+13.5
Household audio and video equipment	1,113	1,083	1,079	+2.8	+0.4	-1.4	1,035	981	1,049	916	+13.0
Communications equipment	11,404	11,504	11,714	-0.9	-1.8	+0.5	11,553	11,290	11,696	10,750	+7.5
Electronic components	15,846	15,522	15,422	+2.1	+0.6	+0.7	16,147	15,284	15,491	14,461	+11.7
Transportation equipment	70,153	70,063	69,840	+0.1	+0.3	+1.1	70,100	70,073	70,031	72,314	-3.1
Motor vehicles and parts	18,265	17,963	18,171	+1.7	-1.1	+1.0	18,256	18,193	18,267	17,100	+6.8
Aircraft, missiles, space vehicles, and parts	45,568	46,026	45,388	-1.0	+1.4	+1.3	45,441	45,749	45,452	49,266	-7.8
Shipbuilding and tanks	2,482	2,408	2,423	+3.1	-0.6	+0.8	2,528	2,479	2,448	2,133	+18.5
Instruments and related products	27,664	27,282	27,390	+1.4	-0.4	+0.4	27,950	26,979	27,267	27,087	+3.2
Search and navigation equipment	6,809	6,750	6,818	+0.9	-1.0	-1.4	6,882	6,628	6,751	6,927	-0.6
Measuring and controlling devices	8,594	8,319	8,398	+3.3	-0.9	+2.6	8,697	8,259	8,378	8,067	+7.8
Medical instruments and supplies	9,203	9,163	9,121	+0.4	+0.5	+0.3	9,254	9,035	9,098	8,724	+6.1
Photographic goods	2,347	2,332	2,334	+0.6	-0.1	-1.2	2,399	2,329	2,324	2,591	-7.4
All other durable goods	30,219	30,036	29,826	+0.6	+0.7	+0.9	30,181	30,001	30,180	28,259	+6.8
Nondurable goods industries	178,530	177,928	177,494	+0.3	+0.2	+0.8	179,421	177,683	178,343	171,431	+4.7
With unfilled orders	41,485	41,514	41,441	-0.1	+0.2	+0.7	42,055	41,499	41,197	41,370	+1.7
Food and kindred products	39,195	39,293	39,164	-0.2	+0.3	+0.4	38,551	38,877	39,374	37,354	+3.2
Meat products	4,567	4,602	4,443	-0.8	+3.6	-0.3	4,702	4,700	4,529	4,349	+8.1
Dairy products	3,889	3,877	3,993	+0.3	-2.9	+4.3	4,008	3,867	3,976	3,992	+0.4
Beverages	8,761	8,801	8,781	-0.5	+0.2	-1.0	8,800	8,816	8,819	8,690	+1.3
All other foods, except fats and oils	20,344	20,399	20,327	-0.3	+0.4	+0.4	19,404	19,847	20,331	18,556	+4.6
Tobacco products	5,317	5,299	5,291	+0.3	+0.2	+2.5	5,245	5,376	5,749	5,228	+0.3
Textile mill products	10,259	10,203	10,163	+0.5	+0.4	+0.3	10,529	10,213	10,259	10,334	+1.9
Broadwoven fabrics and other textiles	6,079	6,075	6,074	+0.1	0.0	0.0	6,208	6,052	6,157	6,338	-2.1
Paper and allied products	16,778	16,586	16,559	+1.2	+0.2	+1.1	17,031	16,757	16,697	16,188	+5.2
Pulp, paper, and paperboard mill products	6,548	6,478	6,412	+1.1	+1.0	+0.5	6,617	6,562	6,524	6,531	+1.3
Paperboard containers and boxes	4,374	4,313	4,349	+1.4	-0.8	+0.3	4,428	4,360	4,390	3,977	+11.3
Miscellaneous converted paper products	5,856	5,795	5,798	+1.1	-0.1	+2.3	5,986	5,835	5,783	5,680	+5.4
Chemicals and allied products	48,230	47,903	47,694	+0.7	+0.4	+0.1	48,753	48,047	48,262	46,794	+4.2
Industrial chemicals	19,958	19,704	19,485	+1.3	+1.1	+0.4	19,978	19,696	19,718	19,099	+4.6
Drugs, soaps, and toiletries	22,426	22,378	22,325	+0.2	+0.2	+0.2	22,732	22,114	22,235	21,571	+5.4
Petroleum and coal products	13,464	13,269	13,259	+1.5	+0.1	+3.5	13,623	13,093	12,900	10,814	+26.0
Rubber and plastics products	18,136	17,913	17,921	+1.2	0.0	+1.9	18,360	18,170	18,333	16,996	+8.0
All other nondurable goods	27,151	27,462	27,443	-1.1	+0.1	0.0	27,329	27,150	26,769	27,723	-1.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	373,036	377,562	370,865	-1.2	+1.8	+0.1	366,938	400,591	365,756	343,780	+6.7	1,466,637	1,361,570
Market categories :													
Automotive equipment	16,012	16,980	16,352	-5.7	+3.8	-3.8	16,606	18,833	17,433	16,514	+0.6	68,675	65,949
Home goods and apparel	21,231	21,299	20,898	-0.3	+1.9	+0.2	20,416	22,549	20,985	19,419	+5.1	81,858	76,763
Consumer staples	78,611	79,331	78,957	-0.9	+0.5	+2.5	76,411	80,279	75,668	69,943	+9.2	303,987	276,610
Machinery and equipment	72,969	71,619	69,944	+1.9	+2.4	-2.7	70,096	81,524	67,520	65,074	+7.7	279,477	261,357
Business supplies	27,669	28,449	27,842	-2.7	+2.2	+1.6	27,617	28,905	27,138	26,084	+5.9	108,614	101,777
Construction materials and supplies	23,542	24,203	23,868	-2.7	+1.4	+0.6	23,382	24,587	22,783	22,874	+2.2	91,385	86,525
Defense products	6,517	6,879	6,280	-5.3	+9.5	-3.3	6,168	7,483	6,275	6,418	-3.9	25,290	26,601
Other materials, supplies and and intermediate products	126,485	128,802	126,724	-1.8	+1.6	+0.4	126,242	136,431	127,954	117,454	+7.5	507,351	465,988
Durable goods industries :													
Nondefense capital goods [3]	60,738	58,551	57,327	+3.7	+2.1	-2.6	56,329	67,444	54,039	50,753	+11.0	225,793	205,916
Excluding aircraft and parts	52,984	52,051	50,097	+1.8	+3.9	-2.0	48,604	60,418	47,113	42,119	+15.4	197,643	172,819
Defense capital goods [4]	6,311	6,648	6,005	-5.1	+10.7	-4.0	5,926	7,241	5,948	6,155	-3.7	24,184	25,576
Durables excluding capital goods	142,499	146,278	143,223	-2.6	+2.1	-0.8	143,145	156,528	145,213	137,786	+3.9	576,163	544,049
Miscellaneous series :													
Producers' durable equipment	136,231	136,862	133,523	-0.5	+2.5	-2.3	133,333	153,125	132,986	127,526	+4.6	538,581	510,338
Household durable goods	11,325	11,227	11,085	+0.9	+1.3	-0.3	11,023	12,250	11,017	10,183	+8.2	43,750	39,921
Information technology industries	31,735	30,700	30,222	+3.4	+1.6	+1.2	27,398	36,488	27,680	22,857	+19.9	115,030	97,207
Health care equipment and products	13,480	13,297	13,517	+1.4	-1.6	+2.1	12,800	14,117	12,950	12,340	+3.7	52,093	49,829
NEW ORDERS													
All manufacturing industries	368,536	385,097	374,882	-4.3	+2.7	0.0	366,400	406,223	369,263	345,401	+6.1	1,489,724	1,378,405
Market categories :													
Automotive equipment	16,029	17,040	16,327	-5.9	+4.4	-3.8	16,590	18,873	17,413	16,441	+0.9	68,768	66,055
Home goods and apparel	21,149	21,238	21,007	-0.4	+1.1	-0.1	20,370	22,353	21,376	19,628	+3.8	82,745	77,918
Consumer staples	78,608	79,347	79,182	-0.9	+0.2	+2.9	76,340	80,310	75,670	69,927	+9.2	303,803	276,638
Machinery and equipment	72,754	74,118	70,319	-1.8	+5.4	-8.1	70,560	83,368	68,402	63,342	+11.4	288,722	263,330
Business supplies	27,782	28,503	27,965	-2.5	+1.9	+2.6	27,859	29,016	27,120	26,237	+6.2	108,868	102,259
Construction materials and supplies	23,726	24,152	23,820	-1.8	+1.4	-1.3	23,631	24,613	22,830	22,910	+3.1	92,353	87,301
Defense products	5,260	6,328	7,018	-16.9	-9.8	+4.6	4,661	7,586	6,834	5,294	-12.0	26,228	28,497
Other materials, supplies and and intermediate products	123,228	134,371	129,244	-8.3	+4.0	+3.1	126,389	140,104	129,618	121,622	+3.9	518,237	476,407
Durable goods industries :													
Nondefense capital goods [3]	61,472	60,375	57,715	+1.8	+4.6	-8.9	57,144	68,370	54,922	48,507	+17.8	234,073	207,747
Excluding aircraft and parts	54,286	53,064	50,977	+2.3	+4.1	-6.1	49,987	60,533	48,488	43,500	+14.9	204,827	178,674
Defense capital goods [4]	5,222	6,274	6,688	-16.8	-6.2	-1.8	4,723	7,625	6,484	5,043	-6.3	26,279	27,601
Durables excluding capital goods	138,324	152,516	145,852	-9.3	+4.6	+1.4	142,841	160,637	147,010	142,582	+0.2	588,302	556,497
Miscellaneous series :													
Producers' durable equipment	136,348	140,631	133,907	-3.0	+5.0	-5.4	133,837	155,497	134,027	124,839	+7.2	550,506	512,389
Household durable goods	11,221	11,222	11,229	0.0	-0.1	+0.7	10,861	12,009	11,304	10,238	+6.1	44,176	40,613
Information technology industries	32,160	31,569	30,002	+1.9	+5.2	-1.5	27,888	37,250	27,672	22,760	+22.5	116,752	98,751
Health care equipment and products	13,206	13,652	13,557	-3.3	+0.7	-0.4	12,719	14,118	12,851	12,872	-1.2	52,634	50,045

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99
UNFILLED ORDERS											
All manufacturing industries	549,671	554,171	546,636	-0.8	+1.4	+0.7	555,778	556,316	550,684	529,821	+4.9
Market categories :											
Automotive equipment	2,544	2,526	2,466	+0.7	+2.4	-1.0	2,578	2,594	2,554	2,511	+2.7
Home goods and apparel	9,402	9,484	9,545	-0.9	-0.6	+1.2	9,496	9,541	9,737	9,467	+0.3
Consumer staples	3,252	3,255	3,239	-0.1	+0.5	+7.5	2,882	2,953	2,921	2,291	+25.8
Machinery and equipment	247,529	247,743	245,244	-0.1	+1.0	+0.2	248,436	247,973	246,128	242,544	+2.4
Business supplies	7,582	7,469	7,415	+1.5	+0.7	+1.7	7,448	7,206	7,096	7,002	+6.4
Construction materials and supplies	18,142	17,959	18,009	+1.0	-0.3	-0.3	18,337	18,088	18,062	18,017	+1.8
Defense products	88,140	89,397	89,948	-1.4	-0.6	+0.8	90,020	91,528	91,425	92,812	-3.0
Other materials, supplies and and intermediate products	173,080	176,338	170,770	-1.8	+3.3	+1.5	176,581	176,433	172,761	155,177	+13.8
Durable goods industries :											
Nondefense capital goods [3]	264,454	263,720	261,896	+0.3	+0.7	+0.1	264,875	264,060	263,134	258,913	+2.3
Excluding aircraft and parts	121,981	120,679	119,666	+1.1	+0.8	+0.7	122,402	121,019	120,904	112,432	+8.9
Defense capital goods [4]	93,565	94,654	95,028	-1.2	-0.4	+0.7	95,735	96,938	96,554	97,738	-2.0
Durables excluding capital goods	165,914	170,089	163,851	-2.5	+3.8	+1.6	169,683	169,987	165,878	149,693	+13.4
Miscellaneous series :											
Producers' durable equipment	287,543	287,426	283,657	0.0	+1.3	+0.1	288,451	287,947	285,575	281,555	+2.4
Household durable goods	5,922	6,026	6,031	-1.7	-0.1	+2.4	5,872	6,034	6,275	5,853	+0.3
Information technology industries	46,688	46,263	45,394	+0.9	+1.9	-0.5	46,569	46,079	45,317	40,660	+14.5
Health care equipment and products	10,557	10,831	10,475	-2.5	+3.4	+0.4	10,615	10,697	10,696	9,841	+7.9
TOTAL INVENTORIES											
All manufacturing industries	477,934	475,887	475,999	+0.4	0.0	+0.7	480,703	474,765	479,087	465,450	+3.3
Market categories :											
Automotive equipment	9,115	8,964	8,996	+1.7	-0.4	+1.2	9,204	9,089	9,047	8,663	+6.2
Home goods and apparel	31,934	31,802	31,828	+0.4	-0.1	0.0	32,165	31,513	31,733	31,395	+2.5
Consumer staples	78,121	78,004	77,775	+0.1	+0.3	+0.9	77,982	77,328	77,994	73,810	+5.7
Machinery and equipment	115,777	116,426	115,766	-0.6	+0.6	+0.8	116,851	115,958	116,799	118,677	-1.5
Business supplies	29,051	29,129	29,039	-0.3	+0.3	+1.3	29,409	29,155	28,823	28,660	+2.6
Construction materials and supplies	31,468	31,118	31,129	+1.1	0.0	+0.8	31,740	31,323	31,540	29,025	+9.4
Defense products	18,543	18,127	18,941	+2.3	-4.3	-0.8	18,421	17,885	19,013	17,958	+2.6
Other materials, supplies and and intermediate products	163,925	162,317	162,525	+1.0	-0.1	+0.7	164,931	162,514	164,138	157,262	+4.9
Durable goods industries :											
Nondefense capital goods [3]	106,263	107,009	106,261	-0.7	+0.7	+0.9	107,209	106,153	106,857	110,601	-3.1
Excluding aircraft and parts	72,889	72,892	73,701	0.0	-1.1	+0.2	73,780	72,088	74,375	73,137	+0.9
Defense capital goods [4]	18,927	18,520	19,434	+2.2	-4.7	-1.2	18,791	18,283	19,564	18,300	+2.7
Durables excluding capital goods	174,214	172,430	172,810	+1.0	-0.2	+0.7	175,282	172,646	174,323	165,118	+6.2
Miscellaneous series :											
Producers' durable equipment	191,971	191,853	191,663	+0.1	+0.1	+1.0	193,523	191,258	192,867	191,178	+1.2
Household durable goods	16,762	16,627	16,689	+0.8	-0.4	+0.2	16,809	16,476	16,796	16,219	+3.6
Information technology industries	33,458	33,348	33,837	+0.3	-1.4	+0.2	33,898	32,584	33,958	33,312	+1.8
Health care equipment and products	21,345	21,276	21,207	+0.3	+0.3	+0.3	21,559	21,008	21,139	20,396	+5.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Apr. 1999	Apr. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	159,322	159,249	159,016	0.0	+0.1	+0.8	158,880	158,637	159,641	152,364	+4.3
Durable goods industries	96,088	95,872	96,083	+0.2	-0.2	+1.0	95,295	94,844	96,282	91,047	+4.7
Stone, clay, and glass products	3,275	3,329	3,406	-1.6	-2.3	+1.5	3,233	3,295	3,420	3,157	+2.4
Primary metals	7,972	8,013	7,865	-0.5	+1.9	+0.9	7,699	7,760	7,771	7,199	+6.9
Fabricated metal products	10,913	10,964	10,941	-0.5	+0.2	+1.3	10,828	10,941	10,910	10,252	+5.6
Industrial machinery and equipment	20,215	20,433	20,179	-1.1	+1.3	+1.6	20,215	20,261	20,232	20,251	-0.2
Electronic and other electrical equipment	18,077	18,044	18,100	+0.2	-0.3	+2.2	18,083	17,851	18,143	15,553	+16.3
Transportation equipment	15,128	14,773	15,235	+2.4	-3.0	-1.7	15,092	14,713	15,351	15,013	+0.5
Instruments and related products	9,254	9,090	9,175	+1.8	-0.9	+1.4	9,319	9,034	9,101	9,135	+2.0
Lumber, furniture and miscellaneous durable goods	11,254	11,226	11,182	+0.2	+0.4	+1.3	10,826	10,989	11,354	10,487	+3.2
Nondurable goods industries	63,234	63,377	62,933	-0.2	+0.7	+0.5	63,585	63,793	63,359	61,317	+3.7
Food and kindred products	11,496	11,609	11,481	-1.0	+1.1	-0.9	11,588	11,721	11,572	11,642	-0.5
Tobacco products	4,544	4,526	4,548	+0.4	-0.5	-0.9	4,542	4,613	4,812	4,701	-3.4
Textile mill products	2,897	2,843	2,825	+1.9	+0.6	-1.0	2,945	2,868	2,858	2,869	+2.6
Paper and allied products	8,043	8,008	7,984	+0.4	+0.3	+1.4	8,101	8,076	8,015	7,762	+4.4
Chemicals and allied products	15,846	15,953	15,895	-0.7	+0.4	+0.2	15,892	15,952	15,970	15,649	+1.6
Petroleum and coal products	4,103	3,898	3,894	+5.3	+0.1	+1.8	4,209	3,968	3,851	3,244	+29.7
Rubber and plastics products	7,417	7,487	7,479	-0.9	+0.1	+2.8	7,423	7,512	7,564	6,796	+9.2
Apparel, printing and publishing and leather goods	8,888	9,053	8,827	-1.8	+2.6	+0.6	8,885	9,083	8,717	8,654	+2.7
WORK IN PROCESS											
All manufacturing industries	145,985	145,132	145,561	+0.6	-0.3	+0.4	146,433	143,949	145,701	148,370	-1.3
Durable goods industries	114,968	114,213	114,837	+0.7	-0.5	+0.4	115,392	113,521	115,157	118,060	-2.3
Stone, clay, and glass products	1,618	1,602	1,566	+1.0	+2.3	-0.3	1,664	1,685	1,641	1,414	+17.7
Primary metals	8,606	8,403	8,477	+2.4	-0.9	-0.4	8,663	8,433	8,538	8,188	+5.8
Fabricated metal products	9,258	9,083	9,304	+1.9	-2.4	+1.5	9,249	9,024	9,212	8,955	+3.3
Industrial machinery and equipment	20,830	20,562	21,503	+1.3	-4.4	-1.0	20,913	20,187	21,934	22,220	-5.9
Electronic and other electrical equipment	14,019	13,840	13,834	+1.3	0.0	-0.6	14,288	13,594	13,841	14,350	-0.4
Transportation equipment	44,630	44,945	44,192	-0.7	+1.7	+1.3	44,457	44,941	44,023	47,416	-6.2
Instruments and related products	10,079	9,872	10,115	+2.1	-2.4	+0.7	10,199	9,752	10,143	10,083	+1.2
Lumber, furniture and miscellaneous durable goods	5,928	5,906	5,846	+0.4	+1.0	+1.1	5,959	5,905	5,825	5,434	+9.7
Nondurable goods industries	31,017	30,919	30,724	+0.3	+0.6	+0.2	31,041	30,428	30,544	30,310	+2.4
Food and kindred products	6,517	6,442	6,334	+1.2	+1.7	+1.2	6,282	6,358	6,452	5,867	+7.1
Tobacco products	103	103	121	0.0	-14.9	-1.6	93	96	130	76	+22.4
Textile mill products	2,536	2,499	2,512	+1.5	-0.5	+1.1	2,568	2,488	2,520	2,530	+1.5
Paper and allied products	1,734	1,712	1,744	+1.3	-1.8	+0.2	1,752	1,724	1,789	1,657	+5.7
Chemicals and allied products	8,854	8,893	8,651	-0.4	+2.8	0.0	8,932	8,692	8,511	9,099	-1.8
Petroleum and coal products	3,336	3,257	3,278	+2.4	-0.6	-1.1	3,406	3,218	3,198	2,628	+29.6
Rubber and plastics products	2,351	2,276	2,204	+3.3	+3.3	+1.0	2,358	2,290	2,229	2,306	+2.3
Apparel, printing and publishing and leather goods	5,586	5,737	5,880	-2.6	-2.4	-0.4	5,650	5,562	5,715	6,147	-8.1
FINISHED GOODS											
All manufacturing industries	172,627	171,506	171,422	+0.7	0.0	+0.9	175,390	172,179	173,745	164,716	+6.5
Durable goods industries	88,348	87,874	87,585	+0.5	+0.3	+0.5	90,595	88,717	89,305	84,912	+6.7
Stone, clay, and glass products	5,101	5,016	5,059	+1.7	-0.8	-0.7	5,268	5,167	5,244	4,872	+8.1
Primary metals	8,363	8,317	8,354	+0.6	-0.4	+0.1	8,477	8,383	8,523	8,140	+4.1
Fabricated metal products	11,672	11,707	11,666	-0.3	+0.4	-0.3	12,121	12,009	11,840	11,994	+1.1
Industrial machinery and equipment	19,208	19,352	19,206	-0.7	+0.8	+0.4	19,681	19,663	19,847	18,579	+5.9
Electronic and other electrical equipment	12,241	11,913	11,989	+2.8	-0.6	+0.1	12,669	11,776	12,170	11,235	+12.8
Transportation equipment	10,395	10,345	10,413	+0.5	-0.7	+4.6	10,551	10,419	10,657	9,885	+6.7
Instruments and related products	8,331	8,320	8,100	+0.1	+2.7	-1.0	8,432	8,193	8,023	7,869	+7.2
Lumber, furniture and miscellaneous durable goods	13,037	12,904	12,798	+1.0	+0.8	+0.4	13,396	13,107	13,001	12,338	+8.6
Nondurable goods industries	84,279	83,632	83,837	+0.8	-0.2	+1.2	84,795	83,462	84,440	79,804	+6.3
Food and kindred products	21,182	21,242	21,349	-0.3	-0.5	+0.8	20,681	20,798	21,350	19,845	+4.2
Tobacco products	670	670	622	0.0	+7.7	+38.2	610	667	807	451	+35.3
Textile mill products	4,826	4,861	4,826	-0.7	+0.7	+0.7	5,016	4,857	4,881	4,935	+1.6
Paper and allied products	7,001	6,866	6,831	+2.0	+0.5	+1.0	7,178	6,957	6,893	6,769	+6.0
Chemicals and allied products	23,530	23,057	23,148	+2.1	-0.4	+0.1	23,929	23,403	23,781	22,046	+8.5
Petroleum and coal products	6,025	6,114	6,087	-1.5	+0.4	+7.5	6,008	5,907	5,851	4,942	+21.6
Rubber and plastics products	8,368	8,150	8,238	+2.7	-1.1	+1.4	8,579	8,368	8,540	7,894	+8.7
Apparel, printing and publishing and leather goods	12,677	12,672	12,736	0.0	-0.5	-0.1	12,794	12,505	12,337	12,922	-1.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Jan. 2000	Apr. 2000[p]	Mar. 2000[r]	Feb. 2000	Jan. 2000
All manufacturing industries	1.28	1.26	1.28	1.28	2.57	2.59	2.61	2.57
Durable goods industries	1.43	1.41	1.45	1.42	3.00	3.03	3.05	2.99
Stone, clay, and glass products	1.12	1.11	1.12	1.13	0.76	0.75	0.75	0.76
Primary metals	1.58	1.54	1.55	1.53	1.99	1.97	1.99	1.98
Fabricated metal products	1.55	1.52	1.56	1.53	1.31	1.28	1.29	1.29
Industrial machinery and equipment	1.40	1.46	1.51	1.47	2.08	2.17	2.20	2.10
Electronic and other electrical equipment	1.14	1.13	1.16	1.15	2.34	2.42	2.31	2.23
Transportation equipment	1.50	1.44	1.49	1.42	9.21	9.03	9.43	9.11
Instruments and related products	1.91	1.81	1.86	1.86	3.28	3.17	3.18	3.21
Nondurable goods industries	1.09	1.07	1.08	1.09	0.66	0.65	0.67	0.66
Food and kindred products	0.92	0.93	0.93	0.94	(X)	(X)	(X)	(X)
Tobacco products	1.25	1.22	1.23	1.20	(X)	(X)	(X)	(X)
Textile mill products	1.57	1.55	1.54	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.13	1.16	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.34	1.32	1.30	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.73	0.66	0.68	0.70	(X)	(X)	(X)	(X)
Rubber and plastics products	1.26	1.23	1.24	1.23	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr.[1] 2000	Apr.[2] 1995-1999	Apr. 1999-Mar. 2000	Apr.[1] 2000	Apr.[2] 1995-1999	Apr. 1999-Mar. 2000	Apr.[1] 2000	Apr.[2] 1995-1999	Apr. 1999-Mar. 2000	Apr.[1] 2000	Apr.[2] 1995-1999	Apr. 1999-Mar. 2000
All manufacturing industries	(X)	0.2	0.1	(X)	0.3	0.3	(X)	0.1	0.1	(X)	0.1	0.0
Durable goods industries	-0.1	0.2	0.2	-0.1	0.4	0.4	-0.1	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.4	0.4	(X)	0.6	0.4	(X)	0.6	0.4	(X)	0.1	0.6
Primary metals	-0.2	0.6	0.3	-0.4	0.8	0.9	0.0	0.3	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.3	(X)	0.4	0.5	(X)	0.3	0.4	(X)	0.1	0.1
Industrial machinery and equipment	1.1	0.3	0.5	1.5	0.3	0.8	0.1	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.2	0.3	0.3	-0.1	0.9	1.6	-0.1	0.5	0.8	(X)	0.1	0.2
Transportation equipment	-0.6	0.2	0.5	0.0	0.5	1.0	0.0	0.1	0.2	(X)	0.1	0.1
Instruments and related products	(X)	0.4	0.7	(X)	1.5	1.2	(X)	0.3	0.3	(X)	0.1	0.1
ondurable goods industries	(X)	0.2	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5
Rubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
apital goods industries :												
Nondefense	1.0	0.3	0.3	1.3	0.2	0.7	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.0	0.2	0.8	3.2	1.2	4.8	0.1	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

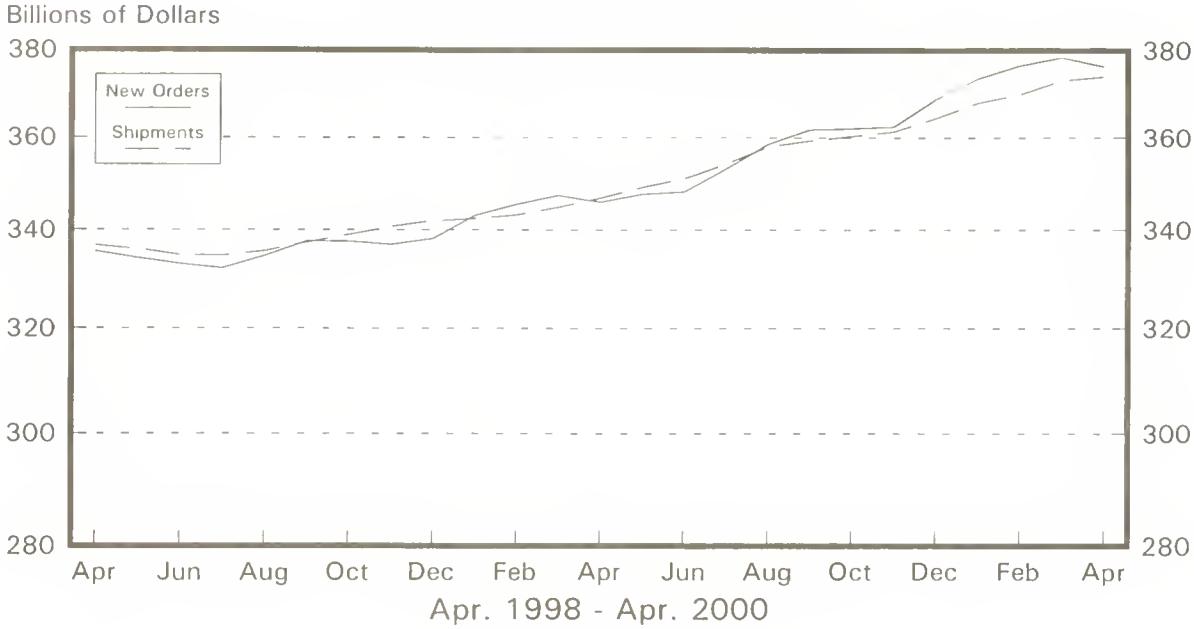
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

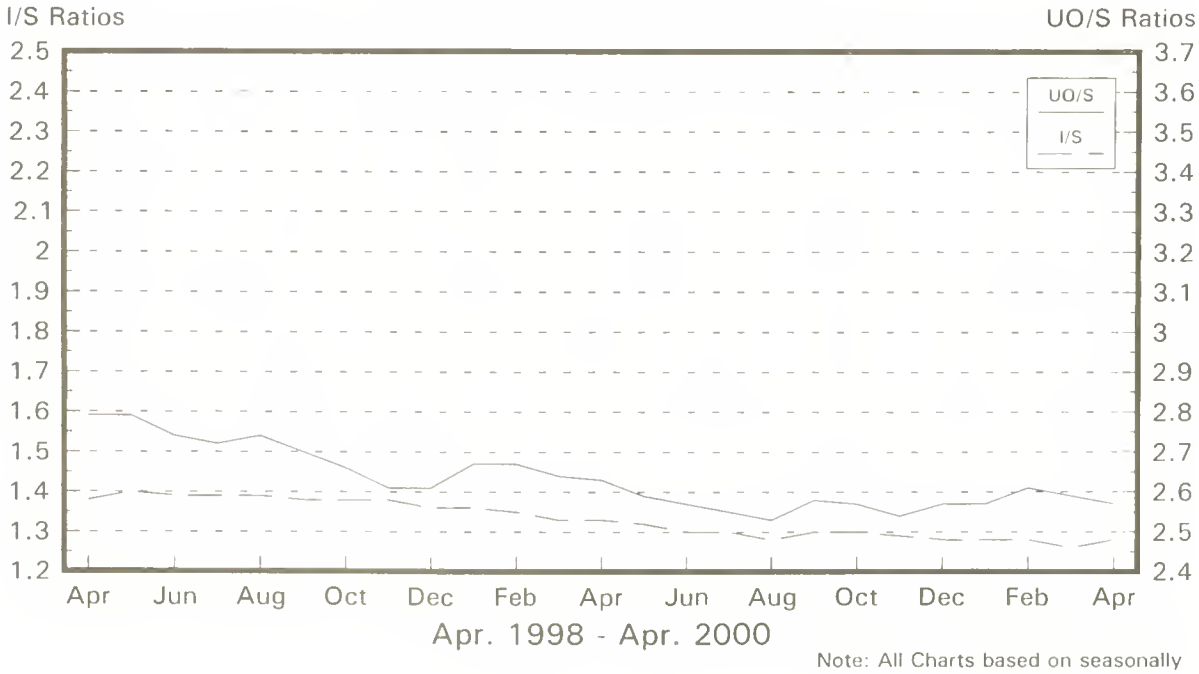
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

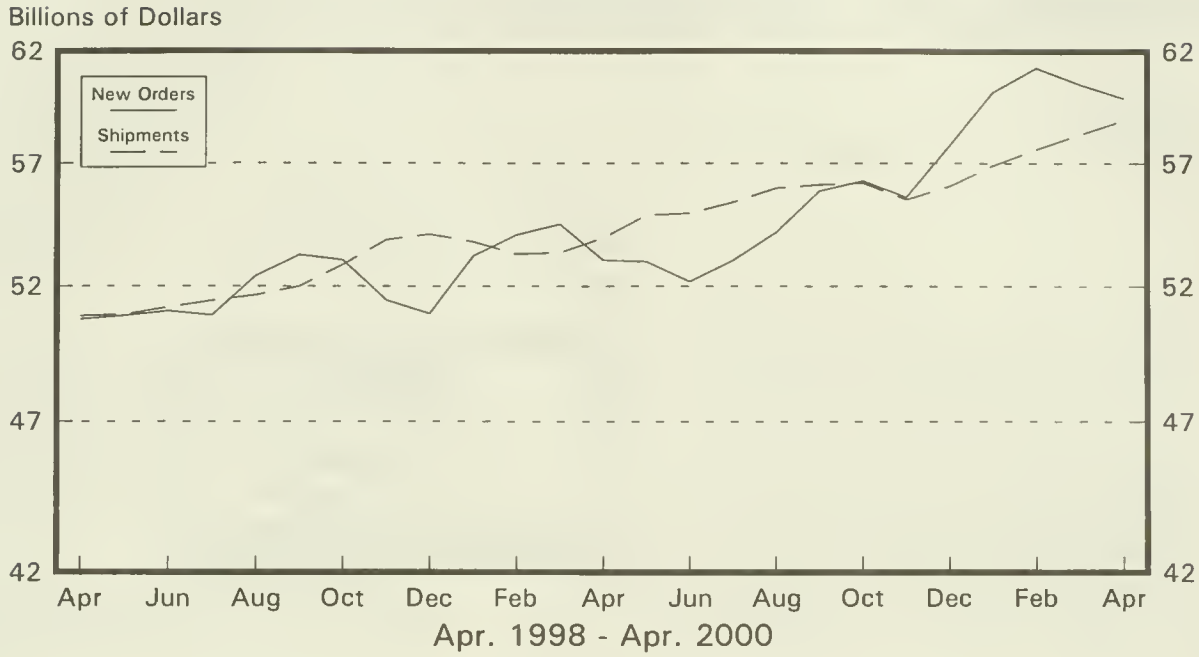
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

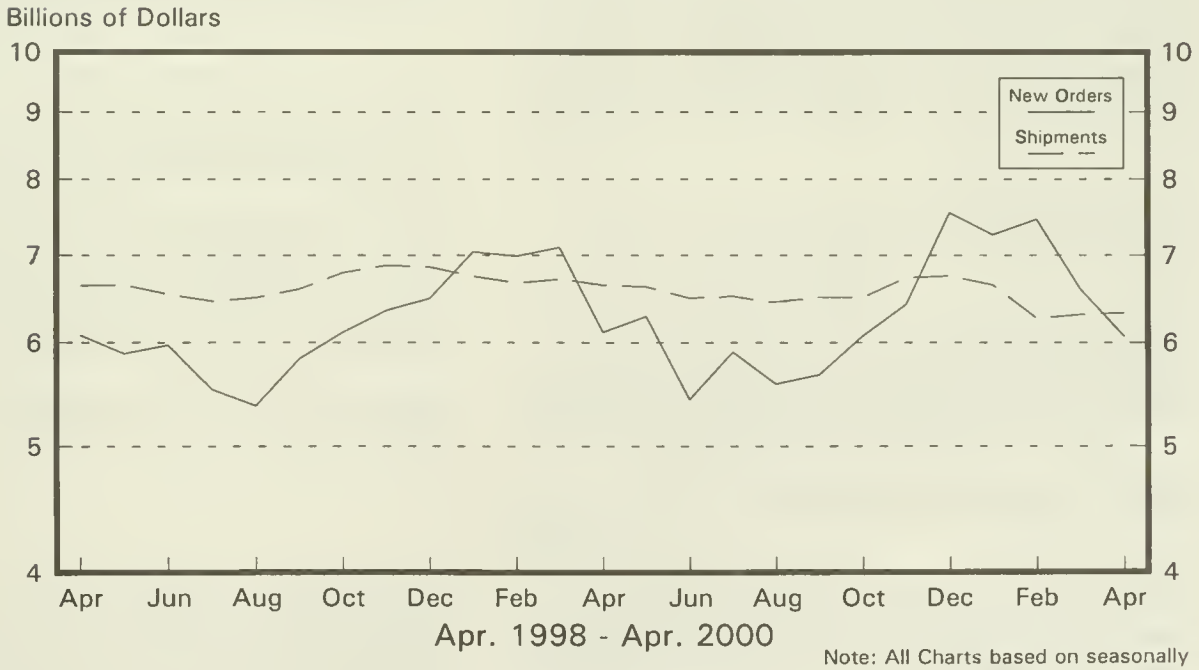
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May increased $15.3 billion or 4.1 percent to $385.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 3.8 percent April decrease and is the largest increase since December 1992. Excluding transportation, new orders increased 4.3 percent. Year to date, new orders are 9.0 percent above the same period a year ago.

Shipments increased $7.1 billion or 1.9 percent to $380.1 billion, following a 1.2 percent April decrease. This is the seventh increase in the last eight months and the largest since April 1996. Year to date, shipments are 8.1 percent above the same period a year ago.

Unfilled orders increased $5.6 billion or 1.0 percent to $557.1 billion, following a 0.5 percent April decrease. This is the tenth increase in the last eleven months. The unfilled orders-to-shipments ratio was 2.56, down from 2.58 in April.

Inventories increased $0.8 billion or 0.2 percent to $478.7 billion, following a 0.4 percent April increase. This is the eighth increase in the last nine months. The inventories-to-shipments ratio was 1.26, down from 1.28 in April.

New Orders

New orders for manufactured durable goods in May increased $12.6 billion or 6.1 percent to $219.2 billion, revised from the previously published 6.0 percent increase.

Electronic and other electrical equipment had the largest increase, $9.7 billion or 26.4 percent to $46.6 billion, due to electronic components. This is the largest increase since August 1997. Transportation equipment increased $1.5 billion or 3.3 percent to $46.8 billion. Instruments and related products increased $0.8 billion or 5.6 percent to $14.9 billion.

New orders for nondurable goods increased $2.7 billion or 1.7 percent to $166.6 billion. Chemicals and allied products and paper and allied products had the largest increases.

Shipments

Shipments of durable goods in May increased $4.6 billion or 2.2 percent to $213.9 billion, unrevised from the previously published 2.2 percent increase. Transportation equipment had the largest increase, $3.0 billion or 6.4 percent to $49.6 billion; all components increased, led by aircraft and parts and motor vehicles and parts. This is the largest increase since August 1998. Electronic and other electrical equipment increased $1.0 billion or 2.6 percent to $40.0 billion. This is the sixth increase in the last seven months. Instruments and related products increased $0.4 billion or 2.6 percent to $14.9 billion. Industrial machinery and equipment decreased $0.5 billion or 1.2 percent to $42.2 billion.

Shipments of nondurable goods increased $2.5 billion or 1.5 percent to $166.2 billion. Chemicals and allied products had the largest increase, $0.8 billion or 2.3 percent to $37.0 billion. Rubber and plastics products increased $0.4 billion or 3.1 percent to $14.8 billion. Petroleum and coal products, up fourteen of the last sixteen months, increased $0.4 billion or 2.4 percent to $18.8 billion.

Unfilled Orders

Unfilled orders for durable goods in May increased $5.3 billion or 1.0 percent to $531.0 billion, unrevised from the previously published 1.0 percent increase. This is the tenth increase in the last eleven months. Electronic and other electrical equipment had the largest increase, $6.6 billion or 7.2 percent to $98.3 billion, due to electronic components. This is the largest increase since August 1997. Industrial machinery and equipment, up eleven consecutive months, increased $1.4 billion or 1.6 percent to $87.2 billion. Transportation equipment, down fourteen of the last sixteen months, decreased $2.8 billion or 1.2 percent to $225.5 billion.

Inventories

Inventories of durable goods in May increased $0.3 billion or 0.1 percent to $299.7 billion. This is the eighth increase in the last nine months.

Electronic and other electrical equipment had the largest increase, $0.5 billion or 1.2 percent to $44.9 billion. This is the fourteenth increase in the last sixteen months. Transportation equipment decreased $0.9 billion or 1.2 percent to $69.2 billion, due to aircraft and parts.

Inventories of nondurable goods, up eleven consecutive months, increased $0.5 billion or 0.3 percent to $179.0 billion.

By stage of fabrication, May finished goods increased 0.3 percent in durables and 0.1 percent in nondurables. Work in process decreased 0.7 percent in durables and 0.2 percent in nondurables. Materials and supplies increased 0.9 percent in durables and 0.7 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for June is scheduled for July 27, 2000 at 8:30 a.m. and the full report on August 3, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99	2000[p]	1999
All manufacturing industries	380,139	373,079	377,562	+1.9	-1.2	+1.8	379,126	366,810	400,591	349,625	+8.4	1,845,635	1,711,195
Manufacturing Industries													
with unfilled orders	217,292	213,457	213,698	+1.8	-0.1	+2.0	213,405	206,417	229,720	197,615	+8.0	1,041,378	972,458
without defense capital goods	373,926	366,792	370,914	+1.9	-1.1	+1.7	373,109	360,908	393,350	343,142	+8.7	1,815,458	1,679,136
Durable goods industries	213,915	209,309	211,477	+2.2	-1.0	+2.4	213,161	205,157	231,213	198,773	+7.2	1,039,058	974,314
With unfilled orders	177,798	174,379	174,194	+2.0	+0.1	+2.1	175,008	168,490	190,109	161,459	+8.4	851,833	792,662
Stone, clay, and glass products	8,976	8,891	9,000	+1.0	-1.2	+0.4	9,079	8,938	9,000	8,629	+5.2	43,166	40,702
Primary metals	15,975	15,829	16,042	+0.9	-1.3	+0.5	16,320	16,338	16,935	14,894	+9.6	81,350	73,088
Blast furnaces, steel mills	6,150	6,020	6,300	+2.2	-4.4	+2.1	6,296	6,198	6,688	5,780	+8.9	31,617	28,390
Iron and steel foundries	1,474	1,429	1,493	+3.1	-4.3	+1.0	1,539	1,491	1,605	1,581	-2.7	7,672	7,800
Nonferrous and other primary metals	8,351	8,380	8,249	-0.3	+1.6	-0.8	8,485	8,649	8,642	7,533	+12.6	42,061	36,898
Fabricated metal products	20,698	20,499	20,859	+1.0	-1.7	+1.6	21,037	20,504	21,815	20,751	+1.4	102,732	101,708
Industrial machinery and equipment	42,241	42,763	41,236	-1.2	+3.7	+2.6	40,830	41,234	48,699	36,517	+11.8	203,871	182,035
Engines and turbines	2,699	2,880	2,667	-6.3	+8.0	-3.4	2,592	2,574	3,001	2,510	+3.3	13,144	11,563
Farm and garden machinery	2,109	2,011	2,124	+4.9	-5.3	+9.9	2,597	2,875	3,077	2,149	+20.8	12,576	11,602
Construction, mining and material handling equipment	4,077	4,000	4,014	+1.9	-0.3	+2.4	4,137	4,127	4,672	3,833	+7.9	20,580	20,077
Metalworking machinery	3,749	3,895	3,966	-3.7	-1.8	+9.2	3,612	3,639	4,226	3,631	-0.5	17,834	16,561
Computer and office equipment	13,955	14,145	12,972	-1.3	+9.0	+0.4	12,159	11,716	16,651	10,002	+21.6	61,476	51,590
Electronic and other electrical equipment	39,990	38,980	38,782	+2.6	+0.5	+2.1	38,345	35,805	41,976	32,345	+18.6	185,210	157,847
Electrical transmission and distribution equipment and industrial apparatus	4,214	3,942	4,200	+6.9	-6.1	+1.6	4,121	3,855	4,693	3,735	+10.3	20,489	18,437
Household appliances	2,483	2,367	2,499	+4.9	-5.3	+0.5	2,484	2,345	2,799	2,341	+6.1	12,099	11,484
Electric lighting and wiring equipment	2,590	2,509	2,587	+3.2	-3.0	+2.5	2,531	2,330	2,799	2,343	+8.0	12,427	11,293
Household audio and video equipment	1,114	1,316	1,226	-15.3	+7.3	+7.3	961	1,175	1,193	946	+1.6	5,331	4,730
Communications equipment	10,662	10,260	9,916	+3.9	+3.5	+1.3	9,986	8,799	11,395	7,669	+30.2	46,653	36,917
Electronic components	16,834	16,451	16,117	+2.3	+2.1	+2.0	16,217	15,392	16,876	13,028	+24.5	77,980	64,389
Transportation equipment	49,574	46,614	48,787	+6.4	-4.5	+4.1	51,616	47,853	53,705	50,363	+2.5	246,681	246,982
Motor vehicles and parts	33,255	32,083	34,329	+3.7	-6.5	+3.9	35,132	33,646	38,097	34,588	+1.6	175,116	171,372
Aircraft, missiles, space vehicles, and parts	12,673	11,089	10,157	+14.3	+9.2	-1.3	12,823	10,826	11,015	12,353	+3.8	53,625	59,145
Shipbuilding and tanks	1,068	1,005	1,074	+6.3	-6.4	+2.7	1,064	993	1,159	979	+8.7	5,107	4,703
Instruments and related products	14,918	14,547	15,099	+2.6	-3.7	+2.3	14,535	13,667	16,366	13,940	+4.3	71,777	69,299
Search and navigation equipment	3,028	2,897	3,167	+4.5	-8.5	+5.5	2,889	2,709	3,441	3,062	-5.6	14,713	15,313
Measuring and controlling devices	4,720	4,723	4,891	-0.1	-3.4	+4.0	4,675	4,456	5,363	4,059	+15.2	23,175	20,151
Medical instruments and supplies	4,681	4,558	4,581	+2.7	-0.5	0.0	4,479	4,205	5,011	4,551	-1.6	22,247	23,029
Photographic goods	1,956	1,855	1,956	+5.4	-5.2	-0.9	1,932	1,769	2,027	1,766	+9.4	9,131	8,413
All other durable goods	21,543	21,186	21,672	+1.7	-2.2	+1.6	21,399	20,818	22,717	21,334	+0.3	104,271	102,653
Nondurable goods industries	166,224	163,770	166,085	+1.5	-1.4	+1.1	165,965	161,653	169,378	150,852	+10.0	806,577	736,881
With unfilled orders	39,494	39,078	39,504	+1.1	-1.1	+1.6	38,397	37,927	39,611	36,156	+6.2	189,545	179,796
Food and kindred products	42,747	42,724	42,315	+0.1	+1.0	+0.6	42,853	41,702	42,999	41,560	+3.1	207,343	202,886
Meat products	9,728	9,794	9,596	-0.7	+2.1	-0.1	9,816	9,632	9,530	8,866	+10.7	47,069	42,268
Dairy products	6,375	6,387	6,291	-0.2	+1.5	+2.9	6,426	6,101	6,524	6,447	-0.3	30,814	32,076
Beverages	6,675	6,637	6,643	+0.6	-0.1	+0.7	7,122	6,682	6,577	6,675	+6.7	32,075	30,270
All other foods, except fats and oils	18,171	18,121	17,905	+0.3	+1.2	0.0	17,691	17,502	18,488	17,768	-0.4	88,362	88,809
Tobacco products	4,715	4,354	4,351	+8.3	+0.1	+1.0	4,934	3,910	4,758	4,072	+21.2	21,927	20,292
Textile mill products	6,448	6,517	6,573	-1.1	-0.9	-0.4	6,459	6,270	6,973	6,610	-2.3	31,721	31,692
Broadwoven fabrics and other textiles	3,598	3,580	3,622	+0.5	-1.2	-1.4	3,671	3,465	4,008	3,829	-4.1	17,951	18,626
Paper and allied products	14,754	14,511	14,742	+1.7	-1.6	+3.0	14,583	14,213	14,897	13,258	+10.0	71,781	66,571
Pulp, paper, and paperboard mill products	5,850	5,813	5,793	+0.6	+0.3	-0.4	5,665	5,670	5,842	4,942	+14.6	28,665	25,329
Paperboard containers and boxes	4,082	4,025	3,993	+1.4	+0.8	+3.9	4,117	4,043	4,069	3,297	+24.9	19,752	16,553
Miscellaneous converted paper products	4,822	4,673	4,956	+3.2	-5.7	+6.6	4,801	4,500	4,986	5,019	-4.3	23,364	24,689
Chemicals and allied products	37,028	36,182	36,275	+2.3	-0.3	-0.8	37,040	36,712	38,276	33,721	+9.8	181,542	167,111
Industrial chemicals	16,110	15,940	16,084	+1.1	-0.9	+0.4	16,131	15,995	16,631	14,787	+9.1	80,199	73,715
Drugs, soaps, and toiletries	17,138	16,481	16,074	+4.0	+2.5	-2.6	16,161	15,809	16,783	14,050	+15.0	79,396	71,770
Petroleum and coal products	18,778	18,339	20,191	+2.4	-9.2	+3.9	19,531	18,374	19,158	13,758	+42.0	91,119	58,369
Rubber and plastics products	14,824	14,380	14,583	+3.1	-1.4	+1.0	15,252	14,851	15,495	13,865	+10.0	73,545	68,293
All other nondurable goods	26,930	26,763	27,055	+0.6	-1.1	+1.7	25,313	25,621	26,822	24,008	+5.4	127,599	121,667

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99	2000[p]	1999
All manufacturing industries	385,768	370,423	385,097	+4.1	-3.8	+2.7	382,387	366,455	406,223	344,067	+11.1	1,872,166	1,722,472
Manufacturing industries													
with unfilled orders	222,921	210,801	221,233	+5.7	-4.7	+3.6	216,666	206,062	235,352	192,057	+12.8	1,067,909	983,735
without defense capital goods	379,599	364,916	378,823	+4.0	-3.7	+2.9	377,423	361,434	398,598	339,113	+11.3	1,840,625	1,689,917
Durable goods industries	219,189	206,557	219,165	+6.1	-5.8	+4.2	215,724	204,618	236,632	192,553	+12.0	1,064,288	984,398
With unfilled orders	183,072	171,627	181,882	+6.7	-5.6	+4.3	177,571	167,951	195,528	155,239	+14.4	877,063	802,746
Stone, clay, and glass products	8,961	8,897	9,013	+0.7	-1.3	+0.7	9,001	8,961	9,028	8,566	+5.1	43,478	40,815
Primary metals	15,971	15,737	15,898	+1.5	-1.0	+0.5	15,758	15,963	16,992	14,691	+7.3	82,360	75,130
Blast furnaces, steel mills	5,877	5,772	6,189	+1.8	-6.7	+1.0	5,744	5,827	6,659	5,825	-1.4	31,861	29,895
Iron and steel foundries	1,569	1,449	1,505	+8.3	-3.7	+2.0	1,542	1,468	1,683	1,332	+15.8	7,935	7,481
Nonferrous and other primary metals	8,525	8,516	8,204	+0.1	+3.8	-0.2	8,472	8,668	8,650	7,534	+12.5	42,564	37,754
Fabricated metal products	20,741	20,691	21,024	+0.2	-1.6	+3.1	21,085	20,775	22,017	20,566	+2.5	103,604	101,951
Industrial machinery and equipment	43,631	43,632	42,123	0.0	+3.6	+1.8	42,260	41,995	48,622	36,763	+15.0	210,079	186,816
Engines and turbines	3,414	2,699	3,398	+26.5	-20.6	+9.9	3,157	2,048	3,254	2,733	+15.5	13,505	14,855
Construction, mining and material handling equipment	3,969	3,945	4,041	+0.6	-2.4	+1.6	3,837	4,045	4,801	3,627	+5.8	20,978	20,071
Metalworking machinery	3,692	3,915	3,818	-5.7	+2.5	-1.7	3,555	3,659	4,078	3,650	-2.6	18,352	16,918
Computer and office equipment	14,242	14,204	12,903	+0.3	+10.1	-1.4	12,939	11,833	16,459	10,414	+24.2	62,278	51,976
Electronic and other electrical equipment	46,601	36,861	44,714	+26.4	-17.6	+8.9	43,511	35,571	45,842	30,303	+43.6	199,083	165,007
Electrical transmission and distribution equipment and industrial apparatus	4,211	4,123	4,166	+2.1	-1.0	-0.1	4,080	4,048	4,636	3,769	+8.3	20,951	18,757
Electric lighting and wiring equipment	2,579	2,627	2,457	-1.8	+6.9	-4.9	2,520	2,448	2,669	2,196	+14.8	12,753	11,393
Communications equipment	10,435	10,834	10,513	-3.7	+3.1	+5.8	9,593	9,011	11,835	7,674	+25.0	47,626	37,853
Electronic components	23,677	13,455	21,093	+76.0	-36.2	+14.1	21,989	14,718	20,096	11,459	+91.9	89,191	70,361
Transportation equipment	46,799	45,290	48,355	+3.3	-6.3	+3.7	47,824	46,587	53,912	46,165	+3.6	246,510	240,454
Aircraft, missiles, space vehicles, and parts	9,908	9,987	10,583	-0.8	-5.6	+11.6	9,274	10,017	12,188	9,237	+0.4	53,061	53,464
Shipbuilding and tanks	1,415	426	830	232.2	-48.7	-52.9	1,400	419	907	548	155.5	5,194	5,420
Instruments and related products	14,941	14,155	16,049	+5.6	-11.8	+10.3	14,544	13,422	17,147	14,055	+3.5	73,264	70,435
Search and navigation equipment	3,071	2,864	3,415	+7.2	-16.1	+20.8	2,873	2,644	3,857	2,835	+1.3	15,159	15,733
Measuring and controlling devices	4,727	4,694	5,239	+0.7	-10.4	+12.7	4,682	4,427	5,711	4,013	+16.7	23,668	20,338
Medical instruments and supplies	4,678	4,230	4,934	+10.6	-14.3	+6.8	4,525	4,101	5,008	4,970	-9.0	22,806	23,662
All other durable goods	21,544	21,294	21,989	+1.2	-3.2	+2.2	21,741	21,344	23,072	21,444	+1.4	105,910	103,790
Nondurable goods industries	166,579	163,866	165,932	+1.7	-1.2	+0.8	166,663	161,837	169,591	151,514	+10.0	807,878	738,074
With unfilled orders	39,849	39,174	39,351	+1.7	-0.4	+0.4	39,095	38,111	39,824	36,818	+6.2	190,846	180,989

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96). "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99
All manufacturing industries	557,144	551,515	554,171	+1.0	-0.5	+1.4	559,222	555,961	556,316	524,263	+6.7
Manufacturing industries without defense capital goods	463,314	457,641	459,517	+1.2	-0.4	+1.8	464,218	459,904	459,378	428,054	+8.4
Durable goods industries	530,985	525,711	528,463	+1.0	-0.5	+1.5	533,009	530,446	530,985	500,124	+6.6
Stone, clay, and glass products	6,501	6,516	6,510	-0.2	+0.1	+0.2	6,549	6,627	6,604	6,184	+5.9
Primary metals	31,501	31,505	31,597	0.0	-0.3	-0.5	32,131	32,693	33,068	30,889	+4.0
Blast furnaces, steel mills	12,466	12,739	12,987	-2.1	-1.9	-0.8	12,877	13,429	13,800	12,540	+2.7
Iron and steel foundries	4,864	4,769	4,749	+2.0	+0.4	+0.3	4,927	4,924	4,947	5,033	-2.1
Nonferrous and other primary metals	14,171	13,997	13,861	+1.2	+1.0	-0.3	14,327	14,340	14,321	13,316	+7.6
Fabricated metal products	25,424	25,381	25,189	+0.2	+0.8	+0.7	25,620	25,572	25,301	25,677	-0.2
Industrial machinery and equipment	87,242	85,852	84,983	+1.6	+1.0	+1.1	87,435	86,005	85,244	79,222	+10.4
Engines and turbines	25,887	25,172	25,353	+2.8	-0.7	+3.0	25,159	24,594	25,120	22,017	+14.3
Construction, mining and material handling equipment	8,708	8,816	8,871	-1.2	-0.6	+0.3	8,977	9,277	9,359	9,627	-6.8
Metalworking machinery	7,008	7,065	7,045	-0.8	+0.3	-2.1	7,008	7,065	7,045	6,803	+3.0
Computer and office equipment	9,172	8,885	8,826	+3.2	+0.7	-0.8	9,483	8,703	8,586	8,327	+13.9
Electronic and other electrical equipment	98,288	91,677	93,796	+7.2	-2.3	+6.8	97,560	92,394	92,628	64,966	+50.2
Electrical transmission and distribution equipment and industrial apparatus	7,269	7,272	7,091	0.0	+2.6	-0.5	7,358	7,399	7,206	6,501	+13.2
Electric lighting and wiring equipment	5,358	5,369	5,251	-0.2	+2.2	-2.4	5,358	5,369	5,251	5,122	+4.6
Communications equipment	26,759	26,986	26,412	-0.8	+2.2	+2.3	26,596	26,989	26,777	17,993	+47.8
Electronic components	52,318	45,475	48,471	+15.0	-6.2	+11.4	51,685	45,913	46,587	29,627	+74.5
Transportation equipment	225,469	228,244	229,568	-1.2	-0.6	-0.2	226,211	230,003	231,269	236,056	-4.2
Aircraft, missiles, space vehicles, and parts	188,992	191,757	192,859	-1.4	-0.6	+0.2	189,944	193,493	194,302	198,327	-4.2
Shipbuilding and tanks	19,640	19,293	19,872	+1.8	-2.9	-1.2	19,615	19,279	19,853	20,039	-2.1
Instruments and related products	47,449	47,426	47,818	0.0	-0.8	+2.0	47,983	47,974	48,219	48,321	-0.7
Search and navigation equipment	25,481	25,438	25,471	+0.2	-0.1	+1.0	25,866	25,882	25,947	26,848	-3.7
Measuring and controlling devices	10,625	10,618	10,647	+0.1	-0.3	+3.4	10,625	10,618	10,647	10,372	+2.4
Medical instruments and supplies	10,453	10,456	10,784	0.0	-3.0	+3.4	10,594	10,548	10,652	10,219	+3.7
All other durable goods	9,111	9,110	9,002	0.0	+1.2	+3.6	9,520	9,178	8,652	8,809	+8.1
Nondurable goods industries	26,159	25,804	25,708	+1.4	+0.4	-0.6	26,213	25,515	25,331	24,139	+8.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99
All manufacturing industries	478,696	477,868	475,887	+0.2	+0.4	0.0	482,939	480,711	474,765	467,701	+3.3
Manufacturing industries											
with unfilled orders	315,748	315,133	313,976	+0.2	+0.4	-0.1	319,832	317,516	312,312	312,492	+2.3
without defense capital goods	459,932	458,964	457,367	+0.2	+0.3	+0.2	464,057	461,918	456,482	449,042	+3.3
Durable goods industries	299,745	299,396	297,959	+0.1	+0.5	-0.2	303,145	301,309	297,082	295,610	+2.5
With unfilled orders	274,031	273,702	272,462	+0.1	+0.5	-0.2	277,541	275,552	270,813	271,390	+2.3
Stone, clay, and glass products	10,035	10,084	9,947	-0.5	+1.4	-0.8	10,279	10,294	10,147	9,644	+6.6
Primary metals	24,906	24,912	24,733	0.0	+0.7	+0.1	24,867	24,822	24,576	23,716	+4.9
Blast furnaces, steel mills	12,157	12,053	11,770	+0.9	+2.4	+0.5	12,026	11,829	11,537	11,443	+5.1
Iron and steel foundries	1,594	1,586	1,577	+0.5	+0.6	-0.6	1,643	1,643	1,626	1,665	-1.3
Nonferrous and other primary metals	11,155	11,273	11,386	-1.0	-1.0	-0.1	11,198	11,350	11,413	10,608	+5.6
Fabricated metal products	32,079	31,798	31,754	+0.9	+0.1	-0.5	32,468	32,124	31,974	31,373	+3.5
Industrial machinery and equipment	60,633	60,430	60,347	+0.3	+0.1	-0.9	61,631	60,920	60,111	61,320	+0.5
Engines and turbines	4,609	4,555	4,642	+1.2	-1.9	+0.1	4,729	4,608	4,552	4,496	+5.2
Farm and garden machinery	3,739	3,716	3,780	+0.6	-1.7	-0.9	3,564	3,691	4,091	3,472	+2.6
Construction, mining and material handling equipment	8,775	8,797	8,752	-0.3	+0.5	-1.9	8,879	8,925	8,845	9,103	-2.5
Metalworking machinery	8,079	8,043	8,051	+0.4	-0.1	-0.5	8,249	8,105	7,897	8,206	+0.5
Computer and office equipment	8,372	8,356	8,456	+0.2	-1.2	-1.2	8,773	8,366	7,994	9,391	-6.6
Electronic and other electrical equipment	44,880	44,337	43,797	+1.2	+1.2	-0.3	45,946	44,979	43,221	41,720	+10.1
Electrical transmission and distribution equipment and industrial apparatus	5,430	5,388	5,392	+0.8	-0.1	-0.5	5,445	5,408	5,390	5,272	+3.3
Household appliances	2,575	2,568	2,475	+0.3	+3.8	-1.6	2,817	2,762	2,545	2,647	+6.4
Electric lighting and wiring equipment	4,087	4,007	3,848	+2.0	+4.1	-0.8	4,184	4,056	3,758	3,604	+16.1
Household audio and video equipment	1,125	1,113	1,083	+1.1	+2.8	+0.4	1,094	1,035	981	961	+13.8
Communications equipment	11,670	11,460	11,504	+1.8	-0.4	-1.8	12,001	11,571	11,290	11,002	+9.1
Electronic components	15,912	15,771	15,522	+0.9	+1.6	+0.6	16,260	16,075	15,284	14,721	+10.5
Transportation equipment	69,154	70,027	70,063	-1.2	-0.1	+0.3	69,358	70,119	70,073	71,987	-3.7
Motor vehicles and parts	18,444	18,287	17,963	+0.9	+1.8	-1.1	18,428	18,252	18,193	17,170	+7.3
Aircraft, missiles, space vehicles, and parts	44,399	45,430	46,026	-2.3	-1.3	+1.4	44,504	45,466	45,749	48,816	-8.8
Shipbuilding and tanks	2,480	2,471	2,408	+0.4	+2.6	-0.6	2,487	2,516	2,479	2,093	+18.8
Instruments and related products	27,699	27,510	27,282	+0.7	+0.8	-0.4	28,065	27,779	26,979	27,074	+3.7
Search and navigation equipment	6,808	6,802	6,750	+0.1	+0.8	-1.0	6,900	6,881	6,628	6,922	-0.3
Measuring and controlling devices	8,751	8,571	8,319	+2.1	+3.0	-0.9	8,835	8,655	8,259	8,038	+9.9
Medical instruments and supplies	9,057	9,070	9,163	-0.1	-1.0	+0.5	9,166	9,123	9,035	8,806	+4.1
Photographic goods	2,360	2,350	2,332	+0.4	+0.8	-0.1	2,435	2,399	2,329	2,576	-5.5
All other durable goods	30,359	30,298	30,036	+0.2	+0.9	+0.7	30,531	30,272	30,001	28,776	+6.1
Nondurable goods industries	178,951	178,472	177,928	+0.3	+0.3	+0.2	179,794	179,402	177,683	172,091	+4.5
With unfilled orders	41,717	41,431	41,514	+0.7	-0.2	+0.2	42,291	41,964	41,499	41,102	+2.9
Food and kindred products	39,157	39,094	39,293	+0.2	-0.5	+0.3	37,970	38,450	38,877	37,028	+2.5
Meat products	4,590	4,557	4,602	+0.7	-1.0	+3.6	4,708	4,685	4,700	4,327	+8.8
Dairy products	3,888	3,881	3,877	+0.2	+0.1	-2.9	3,983	4,000	3,867	3,978	+0.1
Beverages	8,755	8,749	8,801	+0.1	-0.6	+0.2	8,761	8,792	8,816	8,762	0.0
All other foods, except fats and oils	20,332	20,273	20,399	+0.3	-0.6	+0.4	18,954	19,325	19,847	18,264	+3.8
Tobacco products	5,278	5,310	5,299	-0.6	+0.2	+0.2	5,045	5,241	5,376	5,054	-0.2
Textile mill products	10,311	10,255	10,203	+0.5	+0.5	+0.4	10,637	10,519	10,213	10,340	+2.9
Broadwoven fabrics and other textiles	6,088	6,072	6,075	+0.3	0.0	0.0	6,238	6,195	6,052	6,324	-1.4
Paper and allied products	16,879	16,772	16,586	+0.6	+1.1	+0.2	17,113	17,023	16,757	16,217	+5.5
Pulp, paper, and paperboard mill products	6,575	6,548	6,478	+0.4	+1.1	+1.0	6,656	6,614	6,562	6,557	+1.5
Paperboard containers and boxes	4,513	4,379	4,313	+3.1	+1.5	-0.8	4,531	4,428	4,360	3,955	+14.6
Miscellaneous converted paper products	5,791	5,845	5,795	-0.9	+0.9	-0.1	5,926	5,981	5,835	5,705	+3.9
Chemicals and allied products	48,132	48,170	47,903	-0.1	+0.6	+0.4	48,770	48,737	48,047	47,565	+2.5
Industrial chemicals	20,009	19,953	19,704	+0.3	+1.3	+1.1	20,073	19,975	19,696	19,254	+4.3
Drugs, soaps, and toiletries	22,187	22,367	22,378	-0.8	0.0	+0.2	22,800	22,728	22,114	22,448	+1.6
Petroleum and coal products	13,770	13,664	13,269	+0.8	+3.0	+0.1	14,188	13,854	13,093	11,040	+28.5
Rubber and plastics products	18,264	18,128	17,913	+0.8	+1.2	0.0	18,444	18,340	18,170	17,093	+7.9
All other nondurable goods	27,160	27,079	27,462	+0.3	-1.4	+0.1	27,627	27,238	27,150	27,754	-0.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	380,139	373,079	377,562	+1.9	-1.2	+1.8	379,126	366,810	400,591	349,625	+8.4	1,845,635	1,711,195
Market categories :													
Automotive equipment	16,570	16,019	16,980	+3.4	-5.7	+3.8	17,373	16,587	18,833	16,731	+3.8	86,029	82,680
Home goods and apparel	21,020	21,203	21,299	-0.9	-0.5	+1.9	19,924	20,405	22,549	18,947	+5.2	101,771	95,710
Consumer staples	80,396	78,994	79,331	+1.8	-0.4	+0.5	79,926	76,664	80,279	71,794	+11.3	384,166	348,404
Machinery and equipment	75,099	72,661	71,619	+3.4	+1.5	+2.4	73,860	69,841	81,524	66,726	+10.7	353,082	328,083
Business supplies	28,119	27,687	28,449	+1.6	-2.7	+2.2	28,001	27,598	28,905	26,149	+7.1	136,596	127,926
Construction materials and supplies	23,638	23,292	24,203	+1.5	-3.8	+1.4	23,918	23,123	24,587	23,314	+2.6	115,044	109,839
Defense products	6,509	6,494	6,879	+0.2	-5.6	+9.5	6,309	6,147	7,483	6,650	-5.1	31,578	33,251
Other materials, supplies and and intermediate products	128,788	126,729	128,802	+1.6	-1.6	+1.6	129,815	126,445	136,431	119,314	+8.8	637,369	585,302
Durable goods industries :													
Nondefense capital goods [3]	62,332	60,438	58,551	+3.1	+3.2	+2.1	59,724	56,171	67,444	52,908	+12.9	285,359	258,824
Excluding aircraft and parts	52,910	52,686	52,051	+0.4	+1.2	+3.9	50,059	48,436	60,418	44,039	+13.7	247,534	216,858
Defense capital goods [4]	6,213	6,287	6,648	-1.2	-5.4	+10.7	6,017	5,902	7,241	6,483	-7.2	30,177	32,059
Durables excluding capital goods	145,370	142,584	146,278	+2.0	-2.5	+2.1	147,420	143,084	156,528	139,382	+5.8	723,522	683,431
Miscellaneous series :													
Producers' durable equipment	139,529	136,054	136,862	+2.6	-0.6	+2.5	139,095	133,229	153,125	129,697	+7.2	677,572	640,035
Household durable goods	11,271	11,333	11,227	-0.5	+0.9	+1.3	10,846	11,036	12,250	10,019	+8.3	54,609	49,940
Information technology industries	32,164	31,700	30,700	+1.5	+3.3	+1.6	29,597	27,407	36,488	24,411	+21.2	144,636	121,618
Health care equipment and products	13,967	13,488	13,297	+3.6	+1.4	-1.6	13,253	12,783	14,117	12,191	+8.7	65,329	62,020
NEW ORDERS													
All manufacturing industries	385,768	370,423	385,097	+4.1	-3.8	+2.7	382,387	366,455	406,223	344,067	+11.1	1,872,166	1,722,472
Market categories :													
Automotive equipment	16,559	16,028	17,040	+3.3	-5.9	+4.4	17,301	16,563	18,873	16,674	+3.8	86,042	82,729
Home goods and apparel	21,056	21,108	21,238	-0.2	-0.6	+1.1	20,069	20,349	22,353	18,730	+7.1	102,793	96,648
Consumer staples	80,476	78,992	79,347	+1.9	-0.4	+0.2	80,018	76,594	80,310	71,899	+11.3	384,075	348,537
Machinery and equipment	73,436	72,809	74,118	+0.9	-1.8	+5.4	72,400	70,693	83,368	64,815	+11.7	361,255	328,145
Business supplies	28,180	27,814	28,503	+1.3	-2.4	+1.9	28,297	27,846	29,016	26,448	+7.0	137,152	128,707
Construction materials and supplies	23,647	23,527	24,152	+0.5	-2.6	+1.4	23,900	23,444	24,613	23,173	+3.1	116,066	110,474
Defense products	6,553	5,553	6,328	+18.0	-12.2	-9.8	5,384	4,960	7,586	5,042	+6.8	31,911	33,539
Other materials, supplies and and intermediate products	135,861	124,592	134,371	+9.0	-7.3	+4.0	135,018	126,006	140,104	117,286	+15.1	652,872	593,693
Durable goods industries :													
Nondefense capital goods [3]	60,498	61,509	60,375	-1.6	+1.9	+4.6	57,874	57,295	68,370	50,399	+14.8	292,098	258,146
Excluding aircraft and parts	53,306	54,439	53,064	-2.1	+2.6	+4.1	50,439	50,242	60,533	43,713	+15.4	255,521	222,387
Defense capital goods [4]	6,169	5,507	6,274	+12.0	-12.2	-6.2	4,964	5,021	7,625	4,954	+0.2	31,541	32,555
Durables excluding capital goods	152,522	139,541	152,516	+9.3	-8.5	+4.6	152,886	142,302	160,637	137,200	+11.4	740,649	693,697
Miscellaneous series :													
Producers' durable equipment	138,267	136,631	140,631	+1.2	-2.8	+5.0	137,802	134,221	155,497	127,219	+8.3	688,692	639,608
Household durable goods	11,269	11,192	11,222	+0.7	-0.3	-0.1	10,866	10,843	12,009	9,753	+11.4	55,024	50,366
Information technology industries	32,010	32,124	31,569	-0.4	+1.8	+5.2	29,926	27,847	37,250	24,731	+21.0	146,637	123,482
Health care equipment and products	13,964	13,160	13,652	+6.1	-3.6	+0.7	13,300	12,681	14,118	12,611	+5.5	65,896	62,656

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and materi handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servi industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engin and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles. and engines and parts; ships, tan and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	May 00/99
UNFILLED ORDERS											
All manufacturing industries	557,144	551,515	554,171	+1.0	-0.5	+1.4	559,222	555,961	556,316	524,263	+6.7
Market categories :											
Automotive equipment	2,524	2,535	2,526	-0.4	+0.4	+2.4	2,498	2,571	2,594	2,454	+1.8
Home goods and apparel	9,424	9,388	9,484	+0.4	-1.0	-0.6	9,631	9,485	9,541	9,249	+4.1
Consumer staples	3,332	3,253	3,255	+2.4	-0.1	+0.5	2,974	2,883	2,953	2,396	+24.1
Machinery and equipment	246,228	247,891	247,743	-0.7	+0.1	+1.0	247,365	248,825	247,973	240,632	+2.8
Business supplies	7,657	7,596	7,469	+0.8	+1.7	+0.7	7,750	7,454	7,206	7,301	+6.1
Construction materials and supplies	18,204	18,194	17,959	+0.1	+1.3	-0.3	18,390	18,408	18,088	17,876	+2.9
Defense products	88,499	88,456	89,397	0.0	-1.1	-0.6	89,415	90,341	91,528	91,203	-2.0
Other materials, supplies and and intermediate products	181,276	174,202	176,338	+4.1	-1.2	+3.3	181,199	175,994	176,433	153,152	+18.3
urable goods industries :											
Nondefense capital goods [3]	262,957	264,791	263,720	-0.7	+0.4	+0.7	263,334	265,184	264,060	256,404	+2.7
Excluding aircraft and parts	122,828	122,432	120,679	+0.3	+1.5	+0.8	123,205	122,825	121,019	112,106	+9.9
Defense capital goods [4]	93,830	93,874	94,654	0.0	-0.8	-0.4	95,004	96,057	96,938	96,209	-1.3
Durables excluding capital goods	174,198	167,046	170,089	+4.3	-1.8	+3.8	174,671	169,205	169,987	147,511	+18.4
iscellaneous series :											
Producers' durable equipment	286,741	288,003	287,426	-0.4	+0.2	+1.3	287,646	288,939	287,947	279,077	+3.1
Household durable goods	5,883	5,885	6,026	0.0	-2.3	-0.1	5,861	5,841	6,034	5,587	+4.9
Information technology industries	46,533	46,687	46,263	-0.3	+0.9	+1.9	46,848	46,519	46,079	40,980	+14.3
Health care equipment and products	10,500	10,503	10,831	0.0	-3.0	+3.4	10,642	10,594	10,697	10,260	+3.7
TOTAL INVENTORIES											
All manufacturing industries	478,696	477,868	475,887	+0.2	+0.4	0.0	482,939	480,711	474,765	467,701	+3.3
arket categories :											
Automotive equipment	9,194	9,133	8,964	+0.7	+1.9	-0.4	9,367	9,214	9,089	8,784	+6.6
Home goods and apparel	32,016	31,950	31,802	+0.2	+0.5	-0.1	32,954	32,188	31,513	32,261	+2.1
Consumer staples	78,047	78,083	78,004	0.0	+0.1	+0.3	77,737	78,003	77,328	74,316	+4.6
Machinery and equipment	115,227	115,770	116,426	-0.5	-0.6	+0.6	116,928	116,899	115,958	118,666	-1.5
Business supplies	29,233	29,027	29,129	+0.7	-0.4	+0.3	29,484	29,357	29,155	28,391	+3.8
Construction materials and supplies	31,688	31,545	31,118	+0.5	+1.4	0.0	32,051	31,832	31,323	29,421	+8.9
Defense products	18,330	18,515	18,127	-1.0	+2.1	-4.3	18,447	18,423	17,885	18,335	+0.6
Other materials, supplies and and intermediate products	164,961	163,845	162,317	+0.7	+0.9	-0.1	165,971	164,795	162,514	157,527	+5.4
rable goods industries :											
Nondefense capital goods [3]	105,924	106,381	107,009	-0.4	-0.6	+0.7	107,620	107,362	106,153	110,486	-2.6
Excluding aircraft and parts	73,515	73,118	72,892	+0.5	+0.3	-1.1	75,190	73,911	72,088	73,833	+1.8
Defense capital goods [4]	18,764	18,904	18,520	-0.7	+2.1	-4.7	18,882	18,793	18,283	18,659	+1.2
Durables excluding capital goods	175,057	174,111	172,430	+0.5	+1.0	-0.2	176,643	175,154	172,646	166,465	+6.1
scellaneous series :											
Producers' durable equipment	192,071	191,990	191,853	0.0	+0.1	+0.1	194,595	193,511	191,258	191,887	+1.4
Household durable goods	16,843	16,764	16,627	+0.5	+0.8	-0.4	17,246	16,806	16,476	16,722	+3.1
nformation technology industries	33,897	33,499	33,348	+1.2	+0.5	-1.4	34,838	33,833	32,584	33,762	+3.2
Health care equipment and products	21,072	21,180	21,276	-0.5	-0.5	+0.3	21,508	21,426	21,008	20,945	+2.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 00/99
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 2000[p]	Apr. 2000[r]	Mar. 2000	May 1999	
MATERIALS AND SUPPLIES											
All manufacturing industries	160,843	159,509	159,249	+0.8	+0.2	+0.1	160,217	158,993	158,637	152,148	+5.3
Durable goods industries	97,057	96,165	95,872	+0.9	+0.3	-0.2	96,450	95,321	94,844	91,086	+5.9
Stone, clay, and glass products	3,354	3,310	3,329	+1.3	-0.6	-2.3	3,335	3,275	3,295	3,190	+4.5
Primary metals	8,051	7,990	8,013	+0.8	-0.3	+1.9	7,793	7,722	7,760	7,125	+9.4
Fabricated metal products	11,183	10,948	10,964	+2.1	-0.1	+0.2	11,066	10,859	10,941	10,280	+7.6
Industrial machinery and equipment	20,628	20,311	20,433	+1.6	-0.6	+1.3	20,801	20,251	20,261	20,147	+3.2
Electronic and other electrical equipment	18,250	18,093	18,044	+0.9	+0.3	-0.3	18,265	18,095	17,851	15,590	+17.2
Transportation equipment	15,070	15,132	14,773	-0.4	+2.4	-3.0	15,046	15,098	14,713	15,256	-1.4
Instruments and related products	9,126	9,084	9,090	+0.5	-0.1	-0.9	9,178	9,149	9,034	8,990	+2.1
Lumber, furniture and miscellaneous durable goods	11,395	11,297	11,226	+0.9	+0.6	+0.4	10,966	10,872	10,989	10,508	+4.4
Nondurable goods industries	63,786	63,344	63,377	+0.7	-0.1	+0.7	63,767	63,672	63,793	61,062	+4.4
Food and kindred products	11,536	11,483	11,609	+0.5	-1.1	+1.1	11,427	11,568	11,721	11,493	-0.6
Tobacco products	4,546	4,540	4,526	+0.1	+0.3	-0.5	4,402	4,539	4,613	4,529	-2.8
Textile mill products	2,897	2,884	2,843	+0.5	+1.4	+0.6	2,978	2,929	2,868	2,915	+2.2
Paper and allied products	8,154	8,042	8,008	+1.4	+0.4	+0.3	8,126	8,094	8,076	7,652	+6.2
Chemicals and allied products	15,900	15,810	15,953	+0.6	-0.9	+0.4	16,013	15,849	15,952	15,786	+1.4
Petroleum and coal products	4,312	4,228	3,898	+2.0	+8.5	+0.1	4,433	4,344	3,968	3,256	+36.1
Rubber and plastics products	7,493	7,459	7,487	+0.5	-0.4	+0.1	7,469	7,468	7,512	6,845	+9.1
Apparel, printing and publishing and leather goods	8,948	8,898	9,053	+0.6	-1.7	+2.6	8,919	8,881	9,083	8,586	+3.9
WORK IN PROCESS											
All manufacturing industries	145,125	145,990	145,132	-0.6	+0.6	-0.3	146,152	146,629	143,949	148,854	-1.8
Durable goods industries	114,283	115,084	114,213	-0.7	+0.8	-0.5	115,366	115,670	113,521	118,320	-2.5
Stone, clay, and glass products	1,624	1,666	1,602	-2.5	+4.0	+2.3	1,676	1,724	1,685	1,466	+14.3
Primary metals	8,557	8,602	8,403	-0.5	+2.4	-0.9	8,626	8,674	8,433	8,337	+3.5
Fabricated metal products	9,225	9,196	9,083	+0.3	+1.2	-2.4	9,301	9,168	9,024	9,043	+2.9
Industrial machinery and equipment	20,899	20,990	20,562	-0.4	+2.1	-4.4	21,238	21,085	20,187	22,365	-5.0
Electronic and other electrical equipment	13,982	13,959	13,840	+0.2	+0.9	0.0	14,371	14,237	13,594	14,782	-2.8
Transportation equipment	43,622	44,492	44,945	-2.0	-1.0	+1.7	43,582	44,477	44,941	46,672	-6.6
Instruments and related products	10,373	10,232	9,872	+1.4	+3.6	-2.4	10,511	10,327	9,752	10,163	+3.4
Lumber, furniture and miscellaneous durable goods	6,001	5,947	5,906	+0.9	+0.7	+1.0	6,061	5,978	5,905	5,492	+10.4
Nondurable goods industries	30,842	30,906	30,919	-0.2	0.0	+0.6	30,786	30,959	30,428	30,534	+0.8
Food and kindred products	6,566	6,512	6,442	+0.8	+1.1	+1.7	6,104	6,270	6,358	5,637	+8.3
Tobacco products	84	100	103	-16.0	-2.9	-14.9	71	93	96	74	-4.1
Textile mill products	2,555	2,537	2,499	+0.7	+1.5	-0.5	2,587	2,565	2,488	2,527	+2.4
Paper and allied products	1,744	1,732	1,712	+0.7	+1.2	-1.8	1,762	1,751	1,724	1,667	+5.7
Chemicals and allied products	8,764	8,890	8,893	-1.4	0.0	+2.8	9,030	9,005	8,692	9,788	-7.7
Petroleum and coal products	3,261	3,309	3,257	-1.5	+1.6	-0.6	3,352	3,395	3,218	2,664	+25.8
Rubber and plastics products	2,301	2,295	2,276	+0.3	+0.8	+3.3	2,285	2,304	2,290	2,277	+0.4
Apparel, printing and publishing and leather goods	5,567	5,531	5,737	+0.7	-3.6	-2.4	5,595	5,576	5,562	5,900	-5.2
FINISHED GOODS											
All manufacturing industries	172,728	172,369	171,506	+0.2	+0.5	0.0	176,570	175,089	172,179	166,699	+5.9
Durable goods industries	88,405	88,147	87,874	+0.3	+0.3	+0.3	91,329	90,318	88,717	86,204	+5.9
Stone, clay, and glass products	5,057	5,108	5,016	-1.0	+1.8	-0.8	5,268	5,295	5,167	4,988	+5.6
Primary metals	8,298	8,320	8,317	-0.3	0.0	-0.4	8,448	8,426	8,383	8,254	+2.4
Fabricated metal products	11,671	11,654	11,707	+0.1	-0.5	+0.4	12,101	12,097	12,009	12,050	+0.4
Industrial machinery and equipment	19,106	19,129	19,352	-0.1	-1.2	+0.8	19,592	19,584	19,663	18,808	+4.2
Electronic and other electrical equipment	12,648	12,285	11,913	+3.0	+3.1	-0.6	13,310	12,647	11,776	11,348	+17.3
Transportation equipment	10,462	10,403	10,345	+0.6	+0.6	-0.7	10,730	10,544	10,419	10,059	+6.7
Instruments and related products	8,200	8,194	8,320	+0.1	-1.5	+2.7	8,376	8,303	8,193	7,921	+5.7
Lumber, furniture and miscellaneous durable goods	12,963	13,054	12,904	-0.7	+1.2	+0.8	13,504	13,422	13,107	12,776	+5.7
Nondurable goods industries	84,323	84,222	83,632	+0.1	+0.7	-0.2	85,241	84,771	83,462	80,495	+5.9
Food and kindred products	21,055	21,099	21,242	-0.2	-0.7	-0.5	20,439	20,612	20,798	19,898	+2.7
Tobacco products	648	670	670	-3.3	0.0	+7.7	572	609	667	451	+26.8
Textile mill products	4,859	4,834	4,861	+0.5	-0.6	+0.7	5,072	5,025	4,857	4,898	+3.6
Paper and allied products	6,981	6,998	6,866	-0.2	+1.9	+0.5	7,225	7,178	6,957	6,898	+4.7
Chemicals and allied products	23,468	23,470	23,057	0.0	+1.8	-0.4	23,727	23,883	23,403	21,991	+7.9
Petroleum and coal products	6,197	6,127	6,114	+1.1	+0.2	+0.4	6,403	6,115	5,907	5,120	+25.1
Rubber and plastics products	8,470	8,374	8,150	+1.1	+2.7	-1.1	8,690	8,568	8,368	7,971	+9.0
Apparel, printing and publishing and leather goods	12,645	12,650	12,672	0.0	-0.2	-0.5	13,113	12,781	12,505	13,268	-1.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 2000[p]	Apr. 2000[r]	Mar. 2000	Feb. 2000	May 2000[p]	Apr. 2000[r]	Mar. 2000	Feb. 2000
All manufacturing industries	1.26	1.28	1.26	1.28	2.56	2.58	2.59	2.61
Durable goods industries	1.40	1.43	1.41	1.45	2.99	3.01	3.03	3.05
Stone, clay, and glass products	1.12	1.13	1.11	1.12	0.75	0.76	0.75	0.75
Primary metals	1.56	1.57	1.54	1.55	1.97	1.99	1.97	1.99
Fabricated metal products	1.55	1.55	1.52	1.56	1.30	1.31	1.28	1.29
Industrial machinery and equipment	1.44	1.41	1.46	1.51	2.17	2.11	2.17	2.20
Electronic and other electrical equipment	1.12	1.14	1.13	1.16	2.46	2.35	2.42	2.31
Transportation equipment	1.39	1.50	1.44	1.49	8.40	9.22	9.03	9.43
Instruments and related products	1.86	1.89	1.81	1.86	3.18	3.26	3.17	3.18
Nondurable goods industries	1.08	1.09	1.07	1.08	0.66	0.66	0.65	0.67
Food and kindred products	0.92	0.92	0.93	0.93	(X)	(X)	(X)	(X)
Tobacco products	1.12	1.22	1.22	1.23	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.57	1.55	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.14	1.16	1.13	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.30	1.33	1.32	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products	0.73	0.75	0.66	0.68	(X)	(X)	(X)	(X)
Rubber and plastics products	1.23	1.26	1.23	1.24	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 2000	May[2] 1995-1999	May 1999-Apr. 2000	May[1] 2000	May[2] 1995-1999	May 1999-Apr. 2000	May[1] 2000	May[2] 1995-1999	May 1999-Apr. 2000	May[1] 2000	May[2] 1995-1999	May 1999-Apr. 2000
All manufacturing industries	(X)	0.1	0.1	(X)	0.3	0.3	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.1	0.2	0.1	0.4	0.5	0.0	0.1	0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	0.5	0.4	(X)	1.0	0.3	(X)	0.7	0.4	(X)	0.1	0.6
Primary metals	0.0	0.1	0.3	0.4	0.7	1.0	0.2	0.3	0.4	(X)	0.0	0.2
Fabricated metal products	(X)	0.2	0.3	(X)	0.6	0.5	(X)	0.4	0.4	(X)	0.2	0.1
Industrial machinery and equipment	0.1	0.6	0.5	0.1	0.8	0.8	0.0	0.2	0.3	(X)	0.0	0.1
Electronic and other electrical equipment	0.0	0.3	0.3	0.4	0.5	1.8	0.2	0.2	0.8	(X)	0.1	0.2
Transportation equipment	0.2	0.6	0.5	-0.2	1.3	1.0	-0.1	0.2	0.2	(X)	0.1	0.1
Instruments and related products	(X)	0.3	0.7	(X)	1.5	1.2	(X)	0.4	0.3	(X)	0.2	0.1
Nondurable goods industries	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.4	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
Textile mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.3	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5
Rubber and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	0.1	0.3	0.3	0.0	0.7	0.7	0.0	0.1	0.1	(X)	0.0	0.1
Defense	0.0	0.6	0.9	0.3	3.0	5.1	0.1	0.2	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

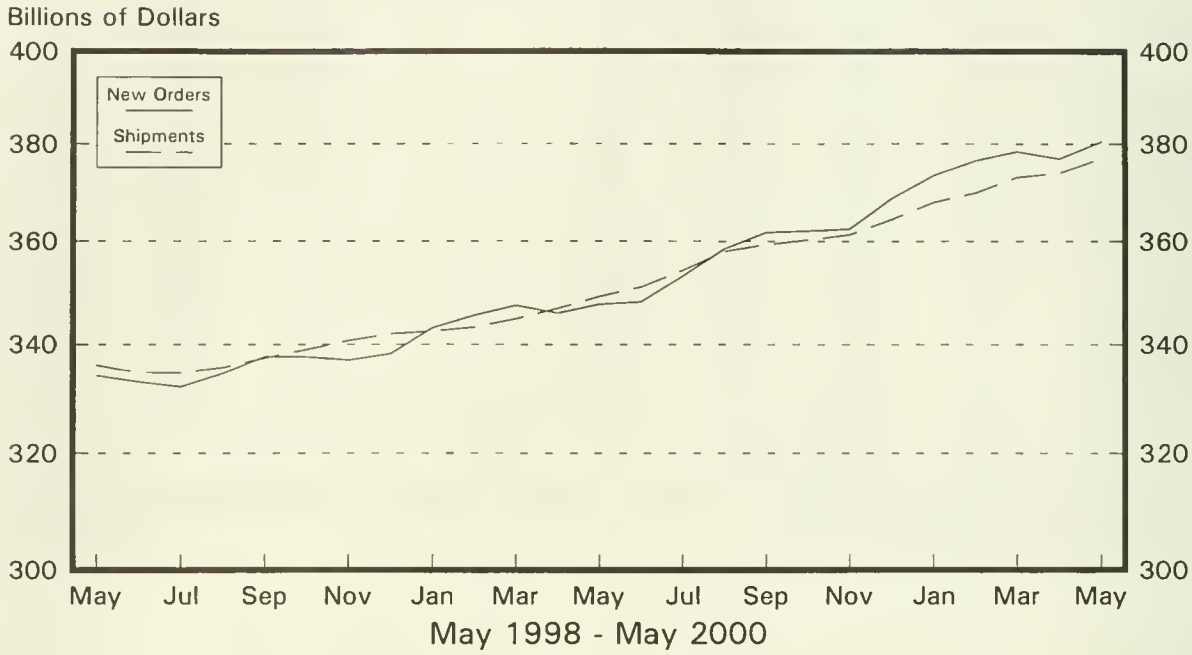
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

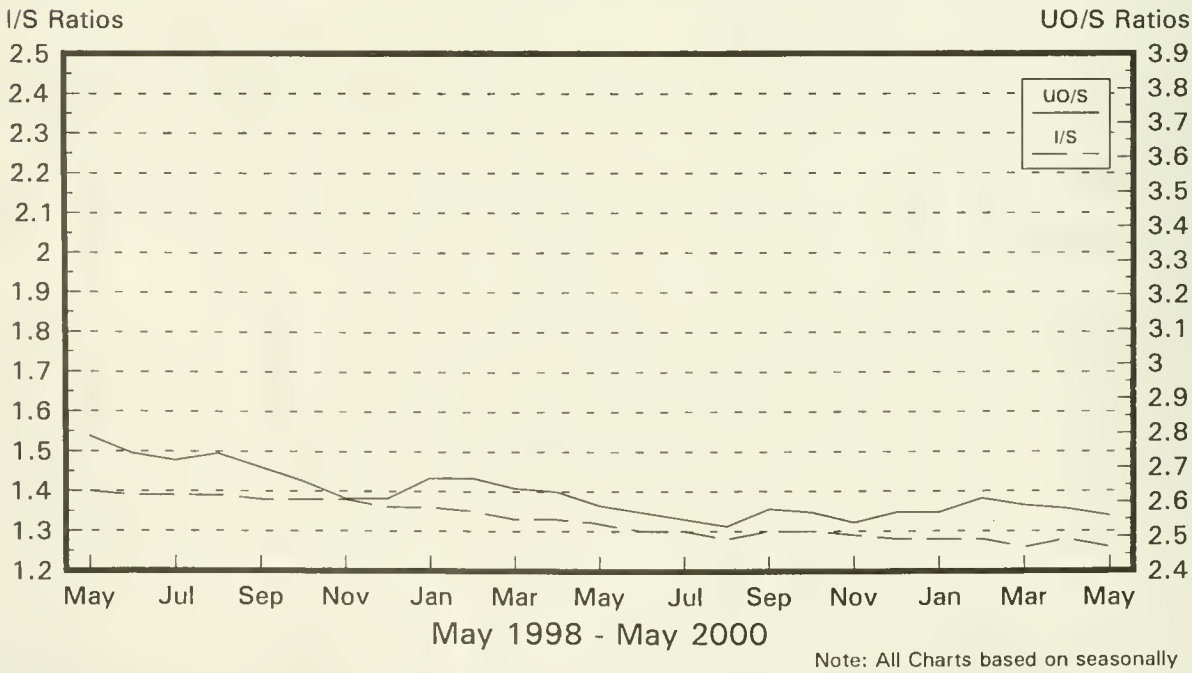
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

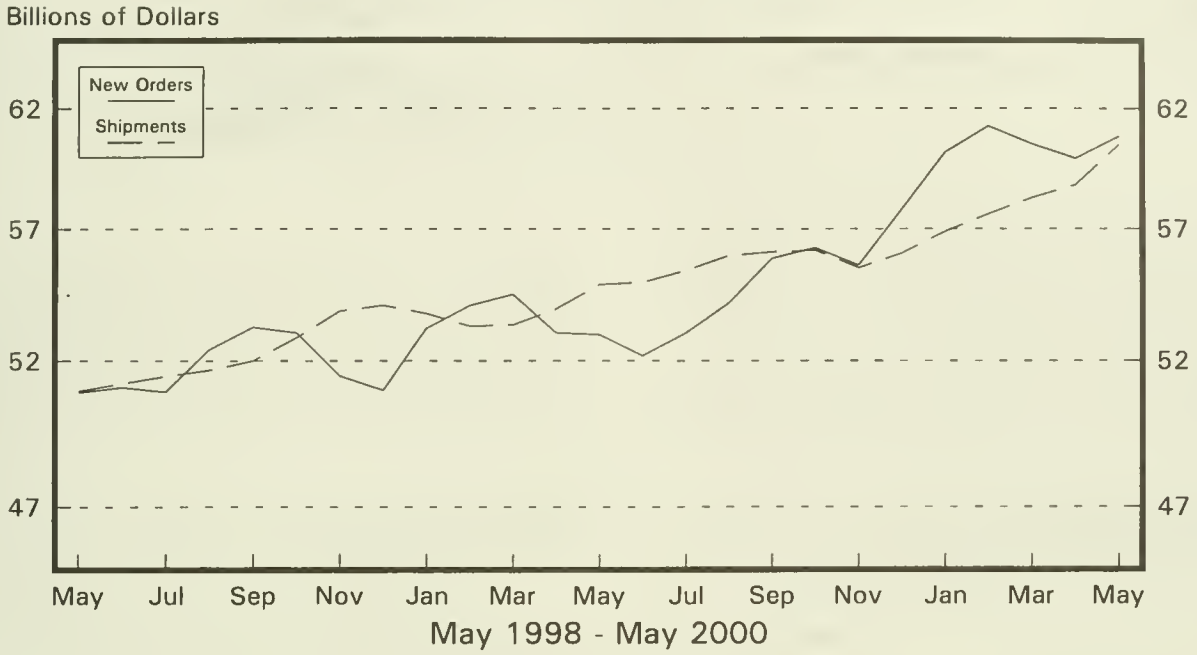
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

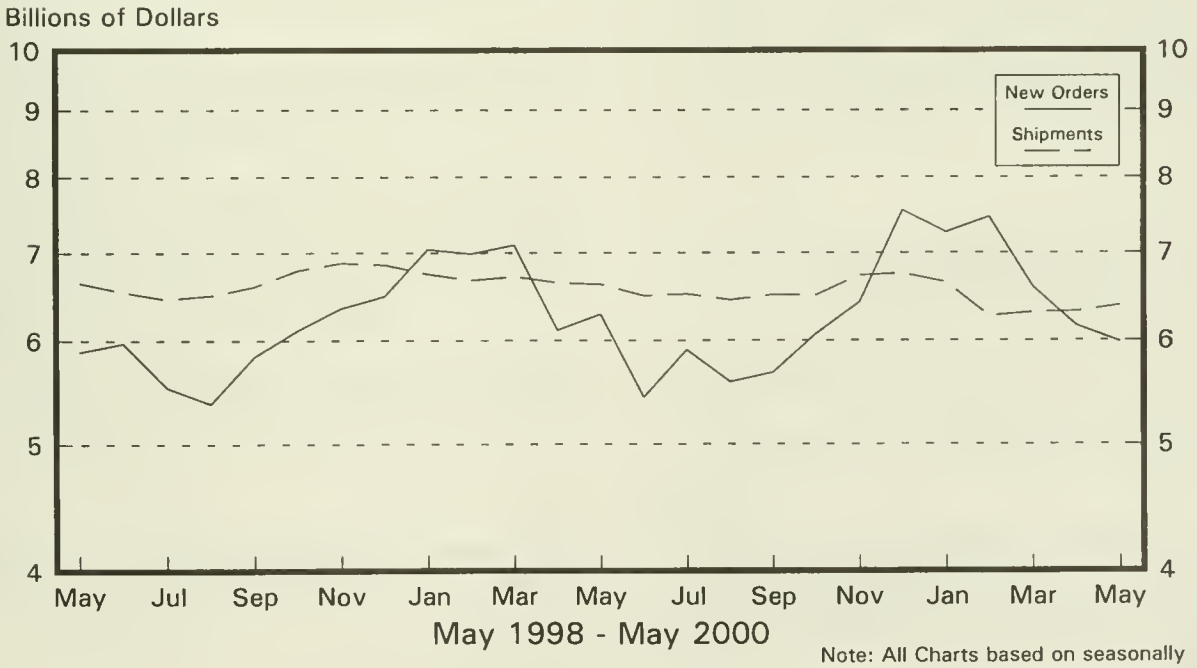
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Summary

New orders for manufactured goods in June increased $21.3 billion or 5.5 percent to $409.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 4.7 percent May increase and is the largest increase since July 1991. Excluding transportation, new orders increased 0.3 percent. Year to date, new orders are 10.4 percent above the same period a year ago; new orders for the second quarter are 2.9 percent above the first quarter.

Shipments increased $3.7 billion or 1.0 percent to $384.9 billion, following a 2.2 percent May increase. This is the eighth increase in the last nine months. Year to date, shipments are 8.2 percent above the same period a year ago; shipments for the second quarter are 1.8 percent above the first quarter.

Unfilled orders increased $24.3 billion or 4.3 percent to $582.5 billion, following a 1.2 percent May increase. This is the eleventh increase in the last twelve months and the largest on record. The unfilled orders-to-shipments ratio was 2.64, up from 2.56 in May.

Inventories increased $2.4 billion or 0.5 percent to $481.8 billion, following a 0.3 percent May increase. This is the ninth increase in the last ten months. The inventories-to-shipments ratio was 1.25, down from 1.26 in May.

New Orders

New orders for manufactured durable goods in June increased $21.5 billion or 9.7 percent to $242.9 billion, revised from the previously published 10.0 percent increase. This is the largest increase since July 1991.

Transportation equipment had the largest increase, $20.4 billion or 42.2 percent to $68.8 billion, mostly due to aircraft and parts. This is the largest increase on record. Instruments and related products increased $1.6 billion or 10.3 percent to $16.7 billion. Industrial machinery and equipment increased $0.4 billion or 1.0 percent to $44.0 billion.

New orders for nondurable goods decreased $0.2 billion or 0.1 percent to $166.3 billion. Chemicals and allied products, paper and allied products, and tobacco products had the largest decreases.

Shipments

Shipments of durable goods in June increased $3.4 billion or 1.6 percent to $218.3 billion, revised from the previously published 1.5 percent increase.

Transportation equipment had the largest increase, $2.8 billion or 5.5 percent to $52.7 billion, due to motor vehicles and parts and railroad equipment. Electronic and other electrical equipment increased $0.8 billion or 2.1 percent to $41.3 billion. This is the seventh increase in the last eight months. Instruments and related products , up four of the last five months, increased $0.4 billion or 3.0 percent to $15.4 billion. Industrial machinery and equipment decreased $0.2 billion or 0.5 percent to $42.3 billion.

Shipments of nondurable goods increased $0.3 billion or 0.2 percent to $166.6 billion. Petroleum and coal products had the largest increase, $1.5 billion or 8.1 percent to $20.4 billion. Chemicals and allied products decreased $0.6 billion or 1.6 percent to $36.5 billion.

Unfilled Orders

Unfilled orders for durable goods in June increased $24.6 billion or 4.6 percent to $556.8 billion, revised from the previously published 4.7 percent increase. This is the eleventh increase in the last twelve months and the largest on record. Transportation equipment had the largest increase, $16.1 billion or 7.1 percent to $242.8 billion, due to aircraft and parts. This is the largest increase on record. Electronic and other electrical equipment, up seventeen of the last nineteen months, increased $5.9 billion or 6.0 percent to $104.5 billion. Industrial machinery and equipment, up twelve consecutive months, increased $1.7 billion or 2.0 percent to $88.6 billion. Instruments and related products increased $1.3 billion or 2.7 percent to $48.8 billion. This is the largest increase since July 1997.

Inventories

Inventories of durable goods in June increased $0.9 billion or 0.3 percent to $300.8 billion. This is the ninth increase in the last ten months.

Industrial machinery and equipment had the largest increase, $0.3 billion or 0.5 percent to $61.1 billion. This is the third consecutive increase.

Inventories of nondurable goods, up twelve consecutive months, increased $1.5 billion or 0.8 percent to $180.9 billion.

By stage of fabrication, June finished goods increased 1.1 percent in durables and 0.8 percent in nondurables. Work in process decreased 0.4 percent in durables and increased 1.7 percent in nondurables. Materials and supplies increased 0.4 percent in durables and 0.4 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for July is scheduled for August 24, 2000 at 8:30 a.m. and the full report on August 31, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr.	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	June 00/99	2000[p]	1999
All manufacturing industries	384,894	381,157	373,079	+1.0	+2.2	-1.2	413,304	380,276	366,810	380,057	+8.7	2,260,089	2,091,252
Manufacturing Industries													
with unfilled orders	220,476	218,254	213,457	+1.0	+2.2	-0.1	240,829	214,477	206,417	218,997	+10.0	1,283,279	1,191,455
without defense capital goods	377,853	374,927	366,792	+0.8	+2.2	-1.1	405,599	374,272	360,908	373,323	+8.6	2,222,220	2,052,459
Durable goods industries	218,298	214,890	209,309	+1.6	+2.7	-1.0	239,724	213,946	205,157	219,424	+9.3	1,279,567	1,193,738
With unfilled orders	181,053	178,644	174,379	+1.3	+2.4	+0.1	200,231	175,856	168,490	180,447	+11.0	1,052,912	973,109
Stone, clay, and glass products	8,727	8,950	8,891	-2.5	+0.7	-1.2	9,362	9,140	8,938	9,324	+0.4	52,589	50,026
Primary metals	16,103	15,978	15,829	+0.8	+0.9	-1.3	16,942	16,313	16,338	15,501	+9.3	98,285	88,589
Blast furnaces, steel mills	6,164	6,153	6,020	+0.2	+2.2	-4.4	6,470	6,299	6,198	5,933	+9.1	38,090	34,323
Iron and steel foundries	1,462	1,473	1,429	-0.7	+3.1	-4.3	1,550	1,540	1,491	1,636	-5.3	9,223	9,436
Nonferrous and other primary metals	8,477	8,352	8,380	+1.5	-0.3	+1.6	8,922	8,474	8,649	7,932	+12.5	50,972	44,830
Fabricated metal products	20,708	20,749	20,499	-0.2	+1.2	-1.7	21,978	21,106	20,504	21,800	+0.8	124,779	123,508
Industrial machinery and equipment	42,273	42,478	42,763	-0.5	-0.7	+3.7	50,171	41,107	41,234	44,097	+13.8	254,319	226,132
Engines and turbines	2,638	2,671	2,880	-1.2	-7.3	+8.0	3,033	2,596	2,574	2,913	+4.1	16,181	14,476
Farm and garden machinery	2,019	2,099	2,011	-3.8	+4.4	-5.3	2,073	2,595	2,875	1,805	+14.8	14,647	13,407
Construction, mining and material handling equipment	4,028	4,102	4,000	-1.8	+2.6	-0.3	4,584	4,183	4,127	4,359	+5.2	25,210	24,436
Metalworking machinery	3,735	3,738	3,895	-0.1	-4.0	-1.8	3,995	3,617	3,639	3,919	+1.9	21,834	20,480
Computer and office equipment	14,236	14,198	14,145	+0.3	+0.4	+9.0	19,059	12,353	11,716	14,920	+27.7	80,729	66,510
Electronic and other electrical equipment	41,304	40,455	38,980	+2.1	+3.8	+0.5	45,334	38,783	35,805	37,380	+21.3	230,982	195,227
Electrical transmission and distribution equipment and industrial apparatus	4,206	4,221	3,942	-0.4	+7.1	-6.1	4,631	4,124	3,855	4,075	+13.6	25,123	22,512
Household appliances	2,420	2,477	2,367	-2.3	+4.6	-5.3	2,794	2,484	2,345	2,729	+2.4	14,893	14,213
Electric lighting and wiring equipment	2,735	2,629	2,509	+4.0	+4.8	-3.0	2,916	2,541	2,330	2,612	+11.6	15,353	13,905
Household audio and video equipment	1,231	1,114	1,316	+10.5	-15.3	+7.3	1,167	961	1,175	990	+17.9	6,498	5,720
Communications equipment	10,020	10,576	10,260	-5.3	+3.1	+3.5	11,693	9,982	8,799	10,054	+16.3	58,342	46,971
Electronic components	18,412	17,317	16,451	+6.3	+5.3	+2.1	19,748	16,627	15,392	14,550	+35.7	98,138	78,939
Transportation equipment	52,667	49,912	46,614	+5.5	+7.1	-4.5	56,281	51,605	47,853	52,128	+8.0	302,951	299,110
Motor vehicles and parts	35,297	33,581	32,083	+5.1	+4.7	-6.5	37,350	35,124	33,646	36,080	+3.5	212,458	207,452
Aircraft, missiles, space vehicles, and parts	12,417	12,675	11,089	-2.0	+14.3	+9.2	13,614	12,818	10,826	12,080	+12.7	67,234	71,225
Shipbuilding and tanks	1,147	1,087	1,005	+5.5	+8.2	-6.4	1,257	1,065	993	971	+29.5	6,365	5,674
Instruments and related products	15,406	14,959	14,547	+3.0	+2.8	-3.7	17,104	14,546	13,667	16,166	+5.8	88,892	85,465
Search and navigation equipment	3,248	3,047	2,897	+6.6	+5.2	-8.5	3,575	2,880	2,709	3,461	+3.3	18,279	18,774
Measuring and controlling devices	5,126	4,737	4,723	+8.2	+0.3	-3.4	5,540	4,682	4,456	4,435	+24.9	28,722	24,586
Medical instruments and supplies	4,642	4,698	4,558	-1.2	+3.1	-0.5	5,266	4,497	4,205	5,565	-5.4	27,531	28,594
Photographic goods	1,878	1,949	1,855	-3.6	+5.1	-5.2	2,159	1,932	1,769	2,176	-0.8	11,290	10,589
All other durable goods	21,110	21,409	21,186	-1.4	+1.1	-2.2	22,552	21,346	20,818	23,028	-2.1	126,770	125,681
Nondurable goods industries	166,596	166,267	163,770	+0.2	+1.5	-1.4	173,580	166,330	161,653	160,633	+8.1	980,522	897,514
With unfilled orders	39,423	39,610	39,078	-0.5	+1.4	-1.1	40,598	38,621	37,927	38,550	+5.3	230,367	218,346
Food and kindred products	42,667	42,590	42,724	+0.2	-0.3	+1.0	43,813	42,673	41,702	43,209	+1.4	250,976	246,095
Meat products	9,879	9,753	9,794	+1.3	-0.4	+2.1	10,115	9,893	9,632	9,345	+8.2	57,261	51,613
Dairy products	6,482	6,380	6,387	+1.6	-0.1	+1.5	6,712	6,420	6,101	6,668	+0.7	37,520	38,744
Beverages	6,527	6,681	6,637	-2.3	+0.7	-0.1	7,373	7,146	6,682	7,183	+2.6	39,472	37,453
All other foods, except fats and oils	17,981	17,973	18,121	0.0	-0.8	+1.2	17,815	17,411	17,502	18,195	-2.1	105,897	107,004
Tobacco products	4,316	4,695	4,354	-8.1	+7.8	+0.1	4,446	4,987	3,910	4,501	-1.2	26,426	24,793
Textile mill products	6,578	6,446	6,517	+2.0	-1.1	-0.9	7,152	6,439	6,270	7,019	+1.9	38,853	38,711
Broadwoven fabrics and other textiles	3,664	3,606	3,580	+1.6	+0.7	-1.2	3,984	3,668	3,465	4,034	-1.2	21,932	22,660
Paper and allied products	14,334	14,672	14,511	-2.3	+1.1	-1.6	14,815	14,573	14,213	14,038	+5.5	86,586	80,609
Pulp, paper, and paperboard mill products	5,703	5,843	5,813	-2.4	+0.5	+0.3	5,838	5,710	5,670	5,366	+8.8	34,548	30,695
Paperboard containers and boxes	3,953	4,057	4,025	-2.6	+0.8	+0.8	4,039	4,107	4,043	3,439	+17.4	23,781	19,992
Miscellaneous converted paper products	4,678	4,772	4,673	-2.0	+2.1	-5.7	4,938	4,756	4,500	5,233	-5.6	28,257	29,922
Chemicals and allied products	36,503	37,082	36,182	-1.6	+2.5	-0.3	38,926	37,235	36,712	36,988	+5.2	220,663	204,099
Industrial chemicals	15,925	16,042	15,940	-0.7	+0.6	-0.9	16,771	16,130	15,995	16,047	+4.5	96,969	89,762
Drugs, soaps, and toiletries	16,701	17,176	16,481	-2.8	+4.2	+2.5	17,714	16,206	15,809	16,369	+8.2	97,155	88,139
Petroleum and coal products	20,409	18,876	18,339	+8.1	+2.9	-9.2	21,425	19,610	18,374	14,467	+48.1	112,623	72,836
Rubber and plastics products	14,721	14,794	14,380	-0.5	+2.9	-1.4	15,627	15,244	14,851	14,495	+7.8	89,164	82,788
All other nondurable goods	27,068	27,112	26,763	-0.2	+1.3	-1.1	27,376	25,569	25,621	25,916	+5.6	155,231	147,583

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr.	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	June 00/99	2000[p]	1999
All manufacturing industries	409,175	387,906	370,423	+5.5	+4.7	-3.8	431,398	383,765	366,455	370,797	+16.3	2,304,942	2,093,269
Manufacturing industries													
with unfilled orders	244,757	225,003	210,801	+8.8	+6.7	-4.7	258,923	217,966	206,062	209,737	+23.5	1,328,132	1,193,472
without defense capital goods	388,505	380,755	364,916	+2.0	+4.3	-3.7	408,611	379,065	361,434	365,884	+11.7	2,250,878	2,055,801
Durable goods industries	242,859	221,388	206,557	+9.7	+7.2	-5.8	257,740	216,776	204,618	209,554	+23.0	1,323,080	1,193,952
With unfilled orders	205,614	185,142	171,627	+11.1	+7.9	-5.6	218,247	178,686	167,951	170,577	+27.9	1,096,425	973,323
Stone, clay, and glass products	8,681	8,886	8,897	-2.3	-0.1	-1.3	9,286	9,012	8,961	9,266	+0.2	52,775	50,081
Primary metals	15,989	15,864	15,737	+0.8	+0.8	-1.0	16,162	15,646	15,963	15,295	+5.7	98,410	90,425
Blast furnaces, steel mills	5,930	5,849	5,772	+1.4	+1.3	-6.7	5,781	5,732	5,827	5,829	-0.8	37,630	35,724
Iron and steel foundries	1,568	1,606	1,449	-2.4	+10.8	-3.7	1,607	1,576	1,468	1,425	+12.8	9,576	8,906
Nonferrous and other primary metals	8,491	8,409	8,516	+1.0	-1.3	+3.8	8,774	8,338	8,668	8,041	+9.1	51,204	45,795
Fabricated metal products	20,591	20,793	20,691	-1.0	+0.5	-1.6	21,733	21,169	20,775	21,509	+1.0	125,421	123,460
Industrial machinery and equipment	43,986	43,560	43,632	+1.0	-0.2	+3.6	50,673	42,267	41,995	42,284	+19.8	260,759	229,100
Engines and turbines	4,631	3,374	2,699	+37.3	+25.0	-20.6	4,994	3,155	2,048	2,394	108.6	18,497	17,249
Construction, mining and material handling equipment	4,062	3,991	3,945	+1.8	+1.2	-2.4	4,448	3,859	4,045	3,900	+14.1	25,448	23,971
Metalworking machinery	3,484	3,707	3,915	-6.0	-5.3	+2.5	3,744	3,586	3,659	3,797	-1.4	22,127	20,715
Computer and office equipment	14,135	14,353	14,204	-1.5	+1.0	+10.1	18,661	13,009	11,833	14,774	+26.3	81,009	66,750
Electronic and other electrical equipment	47,244	47,323	36,861	-0.2	+28.4	-17.6	45,841	44,398	35,571	35,607	+28.7	245,811	200,614
Electrical transmission and distribution equipment and industrial apparatus	4,531	4,232	4,123	+7.1	+2.6	-1.0	4,859	4,086	4,048	3,995	+21.6	25,816	22,752
Electric lighting and wiring equipment	2,593	2,721	2,627	-4.7	+3.6	+6.9	2,774	2,633	2,448	2,789	-0.5	15,640	14,182
Communications equipment	13,159	10,388	10,834	+26.7	-4.1	+3.1	14,527	9,593	9,011	10,145	+43.2	62,153	47,998
Electronic components	21,379	24,094	13,455	-11.3	+79.1	-36.2	17,815	22,515	14,718	12,566	+41.8	107,532	82,927
Transportation equipment	68,766	48,354	45,290	+42.2	+6.8	-6.3	73,779	48,124	46,587	47,846	+54.2	320,589	288,300
Aircraft, missiles, space vehicles, and parts	29,784	10,824	9,987	175.2	+8.4	-5.6	32,408	9,273	10,017	9,138	254.7	85,468	62,602
Shipbuilding and tanks	564	1,346	426	-58.1	216.0	-48.7	725	1,327	419	432	+67.8	5,846	5,852
Instruments and related products	16,674	15,112	14,155	+10.3	+6.8	-11.8	18,216	14,314	13,422	14,925	+22.1	91,250	85,360
Search and navigation equipment	4,161	3,160	2,864	+31.7	+10.3	-16.1	4,819	2,663	2,644	3,363	+43.3	19,768	19,096
Measuring and controlling devices	5,020	4,761	4,694	+5.4	+1.4	-10.4	5,434	4,706	4,427	4,388	+23.8	29,126	24,726
Medical instruments and supplies	5,122	4,745	4,230	+7.9	+12.2	-14.3	5,278	4,487	4,101	4,498	+17.3	28,046	28,160
All other durable goods	20,928	21,496	21,294	-2.6	+0.9	-3.2	22,050	21,846	21,344	22,822	-3.4	128,065	126,612
Nondurable goods industries	166,316	166,518	163,866	-0.1	+1.6	-1.2	173,658	166,989	161,837	161,243	+7.7	981,862	899,317
With unfilled orders	39,143	39,861	39,174	-1.8	+1.8	-0.4	40,676	39,280	38,111	39,160	+3.9	231,707	220,149

[p] Preliminary [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 00/99
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr.	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	
All manufacturing industries	582,545	558,264	551,515	+4.3	+1.2	-0.5	577,544	559,450	555,961	515,003	+12.1
Manufacturing industries without defense capital goods	474,121	463,469	457,641	+2.3	+1.3	-0.4	467,709	464,697	459,904	420,615	+11.2
Durable goods industries	556,770	532,209	525,711	+4.6	+1.2	-0.5	551,292	533,276	530,446	490,254	+12.5
Stone, clay, and glass products	6,406	6,452	6,516	-0.7	-1.0	+0.1	6,423	6,499	6,627	6,126	+4.8
Primary metals	31,277	31,391	31,505	-0.4	-0.4	-0.3	31,246	32,026	32,693	30,683	+1.8
Blast furnaces, steel mills	12,201	12,435	12,739	-1.9	-2.4	-1.9	12,173	12,862	13,429	12,436	-2.1
Iron and steel foundries	5,008	4,902	4,769	+2.2	+2.8	+0.4	5,017	4,960	4,924	4,822	+4.0
Nonferrous and other primary metals	14,068	14,054	13,997	+0.1	+0.4	+1.0	14,056	14,204	14,340	13,425	+4.7
Fabricated metal products	25,308	25,425	25,381	-0.5	+0.2	+0.8	25,390	25,635	25,572	25,386	0.0
Industrial machinery and equipment	88,647	86,934	85,852	+2.0	+1.3	+1.0	87,667	87,165	86,005	77,409	+13.3
Engines and turbines	27,868	25,875	25,172	+7.7	+2.8	-0.7	27,114	25,153	24,594	21,498	+26.1
Construction, mining and material handling equipment	8,739	8,705	8,816	+0.4	-1.3	-0.6	8,817	8,953	9,277	9,168	-3.8
Metalworking machinery	6,783	7,034	7,065	-3.6	-0.4	+0.3	6,783	7,034	7,065	6,681	+1.5
Computer and office equipment	8,939	9,040	8,885	-1.1	+1.7	+0.7	8,961	9,359	8,703	8,181	+9.5
Electronic and other electrical equipment	104,485	98,545	91,677	+6.0	+7.5	-2.3	98,516	98,009	92,394	63,193	+55.9
Electrical transmission and distribution equipment and industrial apparatus	7,608	7,283	7,272	+4.5	+0.2	+2.6	7,589	7,361	7,399	6,421	+18.2
Electric lighting and wiring equipment	5,319	5,461	5,369	-2.6	+1.7	+2.2	5,319	5,461	5,369	5,299	+0.4
Communications equipment	29,937	26,798	26,986	+11.7	-0.7	+2.2	29,434	26,600	26,989	18,084	+62.8
Electronic components	55,219	52,252	45,475	+5.7	+14.9	-6.2	49,868	51,801	45,913	27,643	+80.4
Transportation equipment	242,785	226,686	228,244	+7.1	-0.7	-0.6	244,020	226,522	230,003	231,774	+5.3
Aircraft, missiles, space vehicles, and parts	207,273	189,906	191,757	+9.1	-1.0	-0.6	208,742	189,948	193,493	195,385	+6.8
Shipbuilding and tanks	18,969	19,552	19,293	-3.0	+1.3	-2.9	19,009	19,541	19,279	19,500	-2.5
Instruments and related products	48,847	47,579	47,426	+2.7	+0.3	-0.8	48,854	47,742	47,974	47,080	+3.8
Search and navigation equipment	26,464	25,551	25,438	+3.6	+0.4	-0.1	26,909	25,665	25,882	26,750	+0.6
Measuring and controlling devices	10,536	10,642	10,618	-1.0	+0.2	-0.3	10,536	10,642	10,618	10,325	+2.0
Medical instruments and supplies	10,983	10,503	10,456	+4.6	+0.4	-3.0	10,550	10,538	10,548	9,152	+15.3
All other durable goods	9,015	9,197	9,110	-2.0	+1.0	+1.2	9,176	9,678	9,178	8,603	+6.7
Nondurable goods industries	25,775	26,055	25,804	-1.1	+1.0	+0.4	26,252	26,174	25,515	24,749	+6.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr.	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	June 00/99
All manufacturing industries	481,763	479,362	477,868	+0.5	+0.3	+0.4	479,934	483,500	480,711	460,432	+4.2
Manufacturing industries											
with unfilled orders	317,065	315,949	315,133	+0.4	+0.3	+0.4	317,181	320,001	317,516	307,382	+3.2
without defense capital goods	462,402	460,500	458,964	+0.4	+0.3	+0.3	460,506	464,591	461,918	442,120	+4.2
Durable goods industries	300,850	299,916	299,396	+0.3	+0.2	+0.5	299,689	303,296	301,309	290,135	+3.3
With unfilled orders	275,110	274,223	273,702	+0.3	+0.2	+0.5	274,782	277,719	275,552	266,314	+3.2
Stone, clay, and glass products	10,074	10,014	10,084	+0.6	-0.7	+1.4	10,149	10,252	10,294	9,511	+6.7
Primary metals	24,979	24,948	24,912	+0.1	+0.1	+0.7	24,785	24,913	24,822	23,498	+5.5
Blast furnaces, steel mills	12,251	12,162	12,053	+0.7	+0.9	+2.4	12,052	12,030	11,829	11,262	+7.0
Iron and steel foundries	1,594	1,595	1,586	-0.1	+0.6	+0.6	1,620	1,645	1,643	1,638	-1.1
Nonferrous and other primary metals	11,134	11,191	11,273	-0.5	-0.7	-1.0	11,113	11,238	11,350	10,598	+4.9
Fabricated metal products	32,246	32,040	31,798	+0.6	+0.8	+0.1	32,563	32,420	32,124	31,023	+5.0
Industrial machinery and equipment	61,126	60,806	60,430	+0.5	+0.6	+0.1	60,559	61,807	60,920	59,347	+2.0
Engines and turbines	4,671	4,620	4,555	+1.1	+1.4	-1.9	4,532	4,728	4,608	4,146	+9.3
Farm and garden machinery	3,750	3,744	3,716	+0.2	+0.8	-1.7	3,496	3,566	3,691	3,385	+3.3
Construction, mining and material handling equipment	8,748	8,782	8,797	-0.4	-0.2	+0.5	8,751	8,906	8,925	8,903	-1.7
Metalworking machinery	8,295	8,128	8,043	+2.1	+1.1	-0.1	8,320	8,261	8,105	8,100	+2.7
Computer and office equipment	8,386	8,487	8,356	-1.2	+1.6	-1.2	8,322	8,949	8,366	8,999	-7.5
Electronic and other electrical equipment	45,083	44,845	44,337	+0.5	+1.1	+1.2	45,138	45,959	44,979	41,032	+10.0
Electrical transmission and distribution equipment and industrial apparatus	5,478	5,438	5,388	+0.7	+0.9	-0.1	5,386	5,449	5,408	5,124	+5.1
Household appliances	2,624	2,586	2,568	+1.5	+0.7	+3.8	2,680	2,817	2,762	2,446	+9.6
Electric lighting and wiring equipment	4,115	4,085	4,007	+0.7	+1.9	+4.1	4,163	4,182	4,056	3,607	+15.4
Household audio and video equipment	1,177	1,139	1,113	+3.3	+2.3	+2.8	1,207	1,094	1,035	1,049	+15.1
Communications equipment	11,796	11,672	11,460	+1.1	+1.8	-0.4	11,626	12,002	11,571	10,624	+9.4
Electronic components	15,899	15,852	15,771	+0.3	+0.5	+1.6	15,983	16,259	16,075	14,521	+10.1
Transportation equipment	69,095	69,204	70,027	-0.2	-1.2	-0.1	68,270	69,362	70,119	70,500	-3.2
Motor vehicles and parts	18,502	18,458	18,287	+0.2	+0.9	+1.8	18,099	18,434	18,252	17,125	+5.7
Aircraft, missiles, space vehicles, and parts	44,646	44,443	45,430	+0.5	-2.2	-1.3	44,235	44,501	45,466	47,431	-6.7
Shipbuilding and tanks	2,482	2,482	2,471	0.0	+0.4	+2.6	2,496	2,487	2,516	2,221	+12.4
Instruments and related products	27,717	27,729	27,510	0.0	+0.8	+0.8	27,813	28,103	27,779	26,663	+4.3
Search and navigation equipment	6,760	6,793	6,802	-0.5	-0.1	+0.8	6,778	6,893	6,881	6,737	+0.6
Measuring and controlling devices	8,824	8,798	8,571	+0.3	+2.6	+3.0	8,930	8,878	8,655	8,102	+10.2
Medical instruments and supplies	9,043	9,056	9,070	-0.1	-0.2	-1.0	9,015	9,174	9,123	8,693	+3.7
Photographic goods	2,374	2,365	2,350	+0.4	+0.6	+0.8	2,370	2,435	2,399	2,403	-1.4
All other durable goods	30,530	30,330	30,298	+0.7	+0.1	+0.9	30,412	30,480	30,272	28,561	+6.5
Nondurable goods industries	180,913	179,446	178,472	+0.8	+0.5	+0.3	180,245	180,204	179,402	170,297	+5.8
With unfilled orders	41,955	41,726	41,431	+0.5	+0.7	-0.2	42,399	42,282	41,964	41,068	+3.2
Food and kindred products	39,141	39,136	39,094	0.0	+0.1	-0.5	37,548	37,986	38,450	36,600	+2.6
Meat products	4,618	4,589	4,557	+0.6	+0.7	-1.0	4,690	4,704	4,685	4,329	+8.3
Dairy products	3,907	3,886	3,881	+0.5	+0.1	+0.1	3,971	3,983	4,000	3,938	+0.8
Beverages	8,801	8,751	8,749	+0.6	0.0	-0.6	8,690	8,755	8,792	8,678	+0.1
All other foods, except fats and oils	20,261	20,328	20,273	-0.3	+0.3	-0.6	18,698	18,987	19,325	18,013	+3.8
Tobacco products	5,390	5,293	5,310	+1.8	-0.3	+0.2	4,935	5,039	5,241	4,750	+3.9
Textile mill products	10,355	10,311	10,255	+0.4	+0.5	+0.5	10,467	10,634	10,519	10,193	+2.7
Broadwoven fabrics and other textiles	6,072	6,080	6,072	-0.1	+0.1	0.0	6,071	6,231	6,195	6,170	-1.6
Paper and allied products	16,934	16,884	16,772	+0.3	+0.7	+1.1	16,984	17,111	17,023	16,066	+5.7
Pulp, paper, and paperboard mill products	6,649	6,585	6,548	+1.0	+0.6	+1.1	6,642	6,656	6,614	6,428	+3.3
Paperboard containers and boxes	4,486	4,507	4,379	-0.5	+2.9	+1.5	4,484	4,529	4,428	3,943	+13.7
Miscellaneous converted paper products	5,799	5,792	5,845	+0.1	-0.9	+0.9	5,858	5,926	5,981	5,695	+2.9
Chemicals and allied products	49,138	48,471	48,170	+1.4	+0.6	+0.6	49,231	49,086	48,737	46,543	+5.8
Industrial chemicals	20,456	20,074	19,953	+1.9	+0.6	+1.3	20,336	20,096	19,975	18,956	+7.3
Drugs, soaps, and toiletries	22,717	22,463	22,367	+1.1	+0.4	0.0	23,134	23,098	22,728	21,949	+5.4
Petroleum and coal products	14,065	13,831	13,664	+1.7	+1.2	+3.0	14,265	14,230	13,854	10,985	+29.9
Rubber and plastics products	18,397	18,282	18,128	+0.6	+0.8	+1.2	18,412	18,449	18,340	16,930	+8.8
All other nondurable goods	27,493	27,238	27,079	+0.9	+0.6	-1.4	28,403	27,669	27,238	28,230	+0.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	June 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	384,894	381,157	373,079	+1.0	+2.2	-1.2	413,304	380,276	366,810	380,057	+8.7	2,260,089	2,091,252
Market categories :													
Automotive equipment	17,533	16,715	16,019	+4.9	+4.3	-5.7	18,691	17,370	16,587	17,746	+5.3	104,717	100,426
Home goods and apparel	20,940	20,972	21,203	-0.2	-1.1	-0.5	21,750	19,930	20,405	20,592	+5.6	123,527	116,302
Consumer staples	80,607	80,409	78,994	+0.2	+1.8	-0.4	83,797	80,022	76,664	77,136	+8.6	468,059	425,540
Machinery and equipment	75,447	75,350	72,661	+0.1	+3.7	+1.5	86,258	74,115	69,841	77,374	+11.5	439,595	405,457
Business supplies	28,475	28,220	27,687	+0.9	+1.9	-2.7	29,838	28,164	27,598	27,806	+7.3	166,597	155,732
Construction materials and supplies	23,398	23,642	23,292	-1.0	+1.5	-3.8	25,170	24,005	23,123	25,145	+0.1	140,301	134,984
Defense products	7,166	6,517	6,494	+10.0	+0.4	-5.6	7,783	6,285	6,147	7,025	+10.8	39,337	40,276
Other materials, supplies and and intermediate products	131,328	129,332	126,729	+1.5	+2.1	-1.6	140,017	130,385	126,445	127,233	+10.0	777,956	712,535
Durable goods industries :													
Nondefense capital goods [3]	62,395	62,557	60,438	-0.3	+3.5	+3.2	73,147	60,034	56,171	63,559	+15.1	358,816	322,383
Excluding aircraft and parts	53,975	53,144	52,686	+1.6	+0.9	+1.2	63,904	50,367	48,436	54,986	+16.2	311,746	271,844
Defense capital goods [4]	7,041	6,230	6,287	+13.0	-0.9	-5.4	7,705	6,004	5,902	6,734	+14.4	37,869	38,793
Durables excluding capital goods	148,862	146,103	142,584	+1.9	+2.5	-2.5	158,872	147,908	143,084	149,131	+6.5	882,882	832,562
Miscellaneous series :													
Producers' durable equipment	141,978	140,158	136,054	+1.3	+3.0	-0.6	158,321	139,519	133,229	145,448	+8.9	836,317	785,483
Household durable goods	11,230	11,235	11,333	0.0	-0.9	+0.9	11,791	10,851	11,036	10,937	+7.8	66,405	60,877
Information technology industries	32,268	32,353	31,700	-0.3	+2.1	+3.3	39,529	29,803	27,407	32,606	+21.2	184,371	154,224
Health care equipment and products	13,696	14,004	13,488	-2.2	+3.8	+1.4	14,868	13,294	12,783	14,439	+3.0	80,238	76,459
NEW ORDERS													
All manufacturing industries	409,175	387,906	370,423	+5.5	+4.7	-3.8	431,398	383,765	366,455	370,797	+16.3	2,304,942	2,093,269
Market categories :													
Automotive equipment	17,498	16,746	16,028	+4.5	+4.5	-5.9	18,624	17,342	16,563	17,737	+5.0	104,707	100,466
Home goods and apparel	20,668	21,066	21,108	-1.9	-0.2	-0.6	21,189	20,245	20,349	20,340	+4.2	124,158	116,988
Consumer staples	80,543	80,454	78,992	+0.1	+1.9	-0.4	84,063	80,109	76,594	77,462	+8.5	468,229	425,999
Machinery and equipment	83,830	73,879	72,809	+13.5	+1.5	-1.8	93,200	72,793	70,693	72,751	+28.1	454,848	400,896
Business supplies	28,318	28,237	27,814	+0.3	+1.5	-2.4	29,677	28,456	27,846	27,784	+6.8	166,988	156,491
Construction materials and supplies	23,154	23,714	23,527	-2.4	+0.8	-2.6	24,898	24,057	23,444	25,340	-1.7	141,121	135,814
Defense products	20,685	7,497	5,553	175.9	+35.0	-12.2	22,773	5,106	4,960	5,240	334.6	54,406	38,779
Other materials, supplies and and intermediate products	134,479	136,313	124,592	-1.3	+9.4	-7.3	136,974	135,657	126,006	124,143	+10.3	790,485	717,836
Durable goods industries													
Nondefense capital goods [3]	70,835	60,818	61,509	+16.5	-1.1	+1.9	80,368	58,333	57,295	59,120	+35.9	372,925	317,266
Excluding aircraft and parts	57,787	53,635	54,439	+7.7	-1.5	+2.6	66,497	50,896	50,242	52,152	+27.5	322,475	274,539
Defense capital goods [4]	20,670	7,151	5,507	189.1	+29.9	-12.2	22,787	4,700	5,021	4,913	363.8	54,064	37,468
Durables excluding capital goods	151,354	153,419	139,541	-1.3	+9.9	-8.5	154,585	153,743	142,302	145,521	+6.2	896,091	839,218
Miscellaneous series :													
Producers' durable equipment	149,437	139,346	136,631	+7.2	+2.0	-2.8	163,473	138,759	134,221	140,467	+16.4	853,122	780,075
Household durable goods	10,980	11,277	11,192	-2.6	+0.8	-0.3	11,273	11,018	10,843	10,759	+4.8	66,449	61,125
Information technology industries	34,878	32,086	32,124	+8.7	-0.1	+1.8	41,809	30,029	27,847	32,474	+28.7	188,549	155,956
Health care equipment and products	14,176	14,051	13,160	+0.9	+6.8	-3.6	14,881	13,286	12,681	13,374	+11.3	80,763	76,030

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mater handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment, refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, tar and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 00/99
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr.	June 2000[p]	May 2000[r]	Apr. 2000	June 1999	
UNFILLED ORDERS											
All manufacturing industries	582,545	558,264	551,515	+4.3	+1.2	-0.5	577,544	559,450	555,961	515,003	+12.1
Market categories :											
Automotive equipment	2,532	2,566	2,535	-1.3	+1.2	+0.4	2,475	2,543	2,571	2,445	+1.2
Home goods and apparel	9,211	9,482	9,388	-2.9	+1.0	-1.0	9,239	9,800	9,485	8,997	+2.7
Consumer staples	3,234	3,298	3,253	-1.9	+1.4	-0.1	3,236	2,969	2,883	2,721	+18.9
Machinery and equipment	254,803	246,420	247,891	+3.4	-0.6	+0.1	254,445	247,504	248,825	236,008	+7.8
Business supplies	7,456	7,613	7,596	-2.1	+0.2	+1.7	7,584	7,745	7,454	7,279	+4.2
Construction materials and supplies	18,022	18,266	18,194	-1.3	+0.4	+1.3	18,187	18,459	18,408	18,071	+0.6
Defense products	102,955	89,436	88,456	+15.1	+1.1	-1.1	104,151	89,162	90,341	89,418	+16.5
Other materials, supplies and and intermediate products	184,332	181,183	174,202	+1.7	+4.0	-1.2	178,227	181,268	175,994	150,064	+18.8
urable goods industries :											
Nondefense capital goods [3]	271,492	263,052	264,791	+3.2	-0.7	+0.4	270,704	263,483	265,184	251,965	+7.4
Excluding aircraft and parts	126,735	122,923	122,432	+3.1	+0.4	+1.5	125,947	123,354	122,825	109,272	+15.3
Defense capital goods [4]	108,424	94,795	93,874	+14.4	+1.0	-0.8	109,835	94,753	96,057	94,388	+16.4
Durables excluding capital goods	176,854	174,362	167,046	+1.4	+4.4	-1.8	170,753	175,040	169,205	143,901	+18 7
liscellaneous series :											
Producers' durable equipment	294,650	287,191	288,003	+2.6	-0.3	+0.2	293,331	288,179	288,939	274,096	+7.0
Household durable goods	5,677	5,927	5,885	-4.2	+0.7	-2.3	5,490	6,008	5,841	5,409	+1.5
Information technology industries	49,030	46,420	46,687	+5.6	-0.6	+0.9	49,025	46,745	46,519	40,848	+20.0
Health care equipment and products	11,030	10,551	10,503	+4 5	+0.5	-3.0	10,599	10,586	10,594	9,195	+15.3
TOTAL INVENTORIES											
All manufacturing industries	481,763	479,362	477,868	+0.5	+0.3	+0.4	479,934	483,500	480,711	460,432	+4 2
arket categories :											
Automotive equipment	9,154	9,189	9,133	-0.4	+0.6	+1.9	9,005	9,374	9,214	8,630	+4.3
Home goods and apparel	32,488	32,114	31,950	+1.2	+0.5	+0.5	33,422	32,971	32,188	32,272	+3 6
Consumer staples	78,937	78,367	78,083	+0.7	+0.4	+0.1	77,731	78,077	78,003	73,131	+6.3
Machinery and equipment	115,084	115,328	115,770	-0.2	-0.4	-0.6	113,897	117,074	116,899	115,171	-1.1
Business supplies	29,497	29,252	29,027	+0.8	+0.8	-0.4	29,596	29,490	29,357	28,205	+4.9
Construction materials and supplies	31,831	31,662	31,545	+0.5	+0.4	+1.4	31,974	32,010	31,832	29,319	+9.1
Defense products	18,812	18,412	18,515	+2.2	-0.6	+2.1	18,880	18,478	18,423	18,116	+4.2
Other materials, supplies and and intermediate products	165,960	165,038	163,845	+0.6	+0.7	+0.9	165,429	166,026	164,795	155,588	+6.3
rable goods industries :											
Nondefense capital goods [3]	105,849	106,067	106,381	-0.2	-0.3	-0.6	104,909	107,804	107,362	106,922	-1.9
Excluding aircraft and parts	73,804	73,695	73,118	+0.1	+0.8	+0.3	73,322	75,377	73,911	71,343	+2.8
Defense capital goods [4]	19,361	18,862	18,904	+2.6	-0.2	+2.1	19,428	18,909	18,793	18,312	+6.1
Durables excluding capital goods	175,640	174,987	174,111	+0.4	+0.5	+1.0	175,352	176,583	175,154	164,901	+6.3
iscellaneous series :											
Producers' durable equipment	192,433	192,241	191,990	+0.1	+0.1	+0.1	191,587	194,757	193,511	188,043	+1 9
Household durable goods	17,143	16,879	16,764	+1 6	+0.7	+0.8	17,381	17,226	16,806	16,411	+5.9
Information technology industries	34,138	34,061	33,499	+0.2	+1.7	+0.5	34,007	35,052	33,833	32,801	+3.7
Health care equipment and products	21,340	21,217	21,180	+0.6	+0.2	-0.5	21,532	21,674	21,426	20,566	+4.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 2000[p]	May 2000[r]	Apr. 2000	May-Jun.	Apr.-May	Mar.-Apr	June 2000[p]	May 2000[r]	Apr 2000	June 1999	June 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	161,759	161,126	159,509	+0.4	+1.0	+0.2	160,744	160,531	158,993	151,818	+5.9
Durable goods industries	97,623	97,252	96,165	+0.4	+1.1	+0.3	96,674	96,680	95,321	91,023	+6.2
Stone, clay, and glass products	3,402	3,355	3,310	+1.4	+1.4	-0.6	3,388	3,331	3,275	3,184	+6.4
Primary metals	8,030	8,028	7,990	0.0	+0.5	-0.3	7,881	7,773	7,722	7,218	+9.2
Fabricated metal products	11,129	11,138	10,948	-0.1	+1.7	-0.1	11,121	11,037	10,859	10,427	+6.7
Industrial machinery and equipment	21,324	20,893	20,311	+2.1	+2.9	-0.6	21,265	21,035	20,251	19,913	+6.8
Electronic and other electrical equipment	18,213	18,225	18,093	-0.1	+0.7	+0.3	18,044	18,280	18,095	15,720	+14.8
Transportation equipment	14,713	15,028	15,132	-2.1	-0.7	+2.4	14,569	15,039	15,098	15,116	-3.6
Instruments and related products	9,409	9,216	9,084	+2.1	+1.5	-0.1	9,448	9,238	9,149	9,039	+4.5
Lumber, furniture and miscellaneous durable goods	11,403	11,369	11,297	+0.3	+0.6	+0.6	10,958	10,947	10,872	10,406	+5.3
Nondurable goods industries	64,136	63,874	63,344	+0.4	+0.8	-0.1	64,070	63,851	63,672	60,795	+5.4
Food and kindred products	11,538	11,527	11,483	+0.1	+0.4	-1.1	11,444	11,419	11,568	11,475	-0.3
Tobacco products	4,576	4,545	4,540	+0.7	+0.1	+0.3	4,278	4,399	4,539	4,292	-0.3
Textile mill products	2,915	2,893	2,884	+0.8	+0.3	+1.4	2,942	2,972	2,929	2,896	+1.6
Paper and allied products	8,082	8,144	8,042	-0.8	+1.3	+0.4	8,047	8,127	8,094	7,669	+4.9
Chemicals and allied products	15,982	15,943	15,810	+0.2	+0.8	-0.9	16,101	16,073	15,849	15,574	+3.4
Petroleum and coal products	4,373	4,349	4,228	+0.6	+2.9	+8.5	4,451	4,469	4,344	3,311	+34.4
Rubber and plastics products	7,616	7,517	7,459	+1.3	+0.8	-0.4	7,575	7,481	7,468	6,823	+11.0
Apparel, printing and publishing and leather goods	9,054	8,956	8,898	+1.1	+0.7	-1.7	9,232	8,911	8,881	8,755	+5.4
WORK IN PROCESS											
All manufacturing industries	145,204	145,104	145,990	+0.1	-0.6	+0.6	144,062	146,129	146,629	145,249	-0.8
Durable goods industries	113,821	114,240	115,084	-0.4	-0.7	+0.8	112,940	115,370	115,670	115,081	-1.9
Stone, clay, and glass products	1,630	1,640	1,666	-0.6	-1.6	+4.0	1,653	1,697	1,724	1,484	+11.4
Primary metals	8,686	8,614	8,602	+0.8	+0.1	+2.4	8,660	8,678	8,674	8,170	+6.0
Fabricated metal products	9,363	9,272	9,196	+1.0	+0.8	+1.2	9,405	9,351	9,168	8,987	+4.7
Industrial machinery and equipment	20,685	20,816	20,990	-0.6	-0.8	+2.1	20,505	21,172	21,085	21,530	-4.8
Electronic and other electrical equipment	14,059	13,979	13,959	+0.6	+0.1	+0.9	14,210	14,369	14,237	14,294	-0.6
Transportation equipment	43,271	43,631	44,492	-0.8	-1.9	-1.0	42,324	43,592	44,477	45,257	-6.5
Instruments and related products	10,146	10,316	10,232	-1.6	+0.8	+3.6	10,178	10,490	10,327	9,957	+2.2
Lumber, furniture and miscellaneous durable goods	5,981	5,972	5,947	+0.2	+0.4	+0.7	6,005	6,021	5,978	5,402	+11.2
Nondurable goods industries	31,383	30,864	30,906	+1.7	-0.1	0.0	31,122	30,759	30,959	30,168	+3.2
Food and kindred products	6,563	6,578	6,512	-0.2	+1.0	+1.1	6,089	6,131	6,270	5,665	+7.5
Tobacco products	83	83	100	0.0	-17.0	-2.9	71	71	93	75	-5.3
Textile mill products	2,545	2,551	2,537	-0.2	+0.6	+1.5	2,525	2,584	2,565	2,464	+2.5
Paper and allied products	1,795	1,748	1,732	+2.7	+0.9	+1.2	1,820	1,757	1,751	1,691	+7.6
Chemicals and allied products	9,021	8,802	8,890	+2.5	-1.0	0.0	9,211	9,049	9,005	9,397	-2.0
Petroleum and coal products	3,351	3,223	3,309	+4.0	-2.6	+1.6	3,338	3,302	3,395	2,586	+29.1
Rubber and plastics products	2,331	2,306	2,295	+1.1	+0.5	+0.8	2,285	2,285	2,304	2,260	+1.1
Apparel, printing and publishing and leather goods	5,694	5,573	5,531	+2.2	+0.8	-3.6	5,783	5,580	5,576	6,030	-4.1
FINISHED GOODS											
All manufacturing industries	174,800	173,132	172,369	+1.0	+0.4	+0.5	175,128	176,840	175,089	163,365	+7.2
Durable goods industries	89,406	88,424	88,147	+1.1	+0.3	+0.3	90,075	91,246	90,318	84,031	+7.2
Stone, clay, and glass products	5,042	5,019	5,108	+0.5	-1.7	+1.8	5,108	5,224	5,295	4,843	+5.5
Primary metals	8,263	8,306	8,320	-0.5	-0.2	0.0	8,244	8,462	8,426	8,110	+1.7
Fabricated metal products	11,754	11,630	11,654	+1.1	-0.2	-0.5	12,037	12,032	12,097	11,609	+3.7
Industrial machinery and equipment	19,117	19,097	19,129	+0.1	-0.2	-1.2	18,789	19,600	19,584	17,904	+4.9
Electronic and other electrical equipment	12,811	12,641	12,285	+1.3	+2.9	+3.1	12,884	13,310	12,647	11,018	+16.9
Transportation equipment	11,111	10,545	10,403	+5.4	+1.4	+0.6	11,377	10,731	10,544	10,127	+12.3
Instruments and related products	8,162	8,197	8,194	-0.4	0.0	-1.5	8,187	8,375	8,303	7,667	+6.8
Lumber, furniture and miscellaneous durable goods	13,146	12,989	13,054	+1.2	-0.5	+1.2	13,449	13,512	13,422	12,753	+5.5
Nondurable goods industries	85,394	84,708	84,222	+0.8	+0.6	+0.7	85,053	85,594	84,771	79,334	+7.2
Food and kindred products	21,040	21,031	21,099	0.0	-0.3	-0.7	20,015	20,436	20,612	19,460	+2.9
Tobacco products	731	665	670	+9.9	-0.7	0.0	586	569	609	383	+53.0
Textile mill products	4,895	4,867	4,834	+0.6	+0.7	-0.6	5,000	5,078	5,025	4,833	+3.5
Paper and allied products	7,057	6,992	6,998	+0.9	-0.1	+1.9	7,117	7,227	7,178	6,706	+6.1
Chemicals and allied products	24,135	23,726	23,470	+1.7	+1.1	+1.8	23,919	23,964	23,883	21,572	+10.9
Petroleum and coal products	6,341	6,259	6,127	+1.3	+2.2	+0.2	6,476	6,459	6,115	5,088	+27.3
Rubber and plastics products	8,450	8,459	8,374	-0.1	+1.0	+2.7	8,552	8,683	8,568	7,847	+9.0
Apparel, printing and publishing and leather goods	12,745	12,709	12,650	+0.3	+0.5	-0.2	13,388	13,178	12,781	13,445	-0.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 2000[p]	May 2000[r]	Apr. 2000	Mar. 2000	June 2000[p]	May 2000[r]	Apr. 2000	Mar. 2000
All manufacturing industries	1.25	1.26	1.28	1.26	2.64	2.56	2.58	2.59
Durable goods industries	1.38	1.40	1.43	1.41	3.08	2.98	3.01	3.03
Stone, clay, and glass products	1.15	1.12	1.13	1.11	0.76	0.75	0.76	0.75
Primary metals	1.55	1.56	1.57	1.54	1.94	1.96	1.99	1.97
Fabricated metal products	1.56	1.54	1.55	1.52	1.29	1.30	1.31	1.28
Industrial machinery and equipment	1.45	1.43	1.41	1.46	2.20	2.15	2.11	2.17
Electronic and other electrical equipment	1.09	1.11	1.14	1.13	2.53	2.44	2.35	2.42
Transportation equipment	1.31	1.39	1.50	1.44	8.56	8.42	9.22	9.03
Instruments and related products	1.80	1.85	1.89	1.81	3.17	3.18	3.26	3.17
Nondurable goods industries	1.09	1.08	1.09	1.07	0.65	0.66	0.66	0.65
Food and kindred products	0.92	0.92	0.92	0.93	(X)	(X)	(X)	(X)
Tobacco products	1.25	1.13	1.22	1.22	(X)	(X)	(X)	(X)
Textile mill products	1.57	1.60	1.57	1.55	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.15	1.16	1.13	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.31	1.33	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.73	0.75	0.66	(X)	(X)	(X)	(X)
Rubber and plastics products	1.25	1.24	1.26	1.23	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 2000	June[2] 1995-1999	June 1999-May 2000	June[1] 2000	June[2] 1995-1999	June 1999-May 2000	June[1] 2000	June[2] 1995-1999	June 1999-May 2000	June[1] 2000	June[2] 1995-1999	June 1999-May 2000
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.1	0.2	0.2	-0.3	0.3	0.5	-0.1	0.1	0.2	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.5	0.4	(X)	0.8	0.3	(X)	0.6	0.3	(X)	0.2	0.6
Primary metals	0.3	0.5	0.3	-0.8	1.3	1.0	-0.6	0.4	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.4	0.3	(X)	0.7	0.5	(X)	0.4	0.4	(X)	0.2	0.1
Industrial machinery and equipment	0.0	0.5	0.5	-0.3	1.0	0.7	-0.2	0.2	0.3	(X)	0.2	0.2
Electronic and other electrical equipment	0.4	0.5	0.4	-0.5	1.9	1.8	-0.1	0.7	0.8	(X)	0.1	0.2
Transportation equipment	-0.1	0.6	0.5	-0.8	0.6	1.3	-0.2	0.0	0.2	(X)	0.0	0.1
Instruments and related products	(X)	0.5	0.7	(X)	0.9	1.2	(X)	0.2	0.4	(X)	0.1	0.1
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.6	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.0
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.5
Rubber and plastics products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Capital goods industries :												
Nondefense	0.0	0.5	0.3	-0.3	0.5	0.7	-0.1	0.0	0.1	(X)	0.1	0.1
Defense	0.2	0.6	0.8	-5.0	2.6	6.1	-0.3	0.1	0.4	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

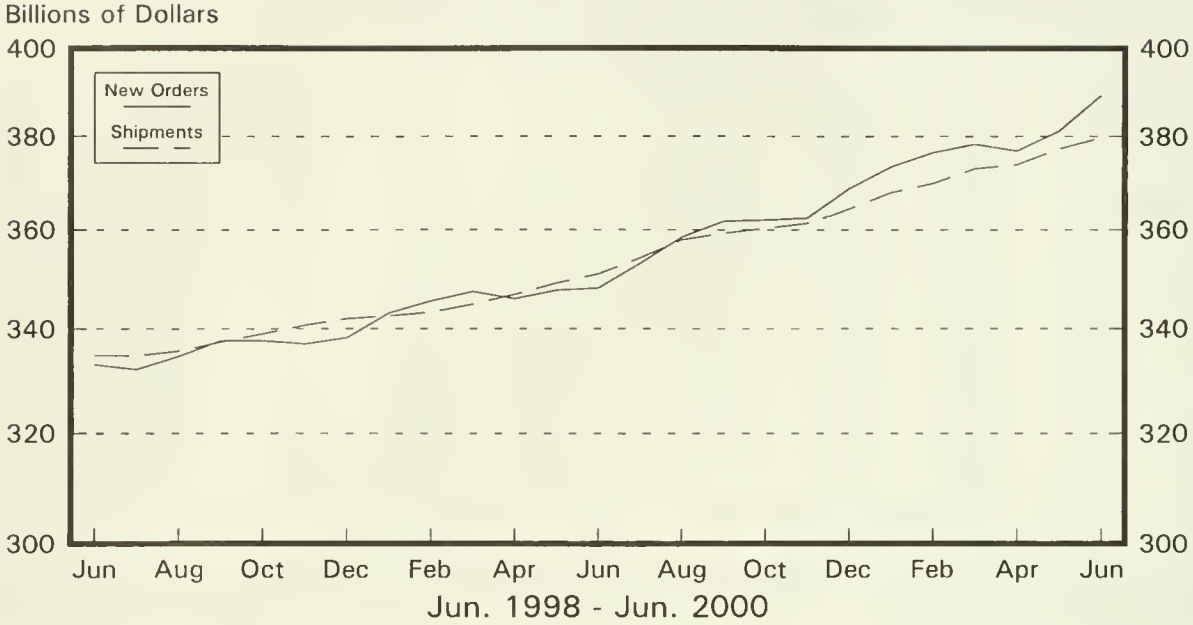
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

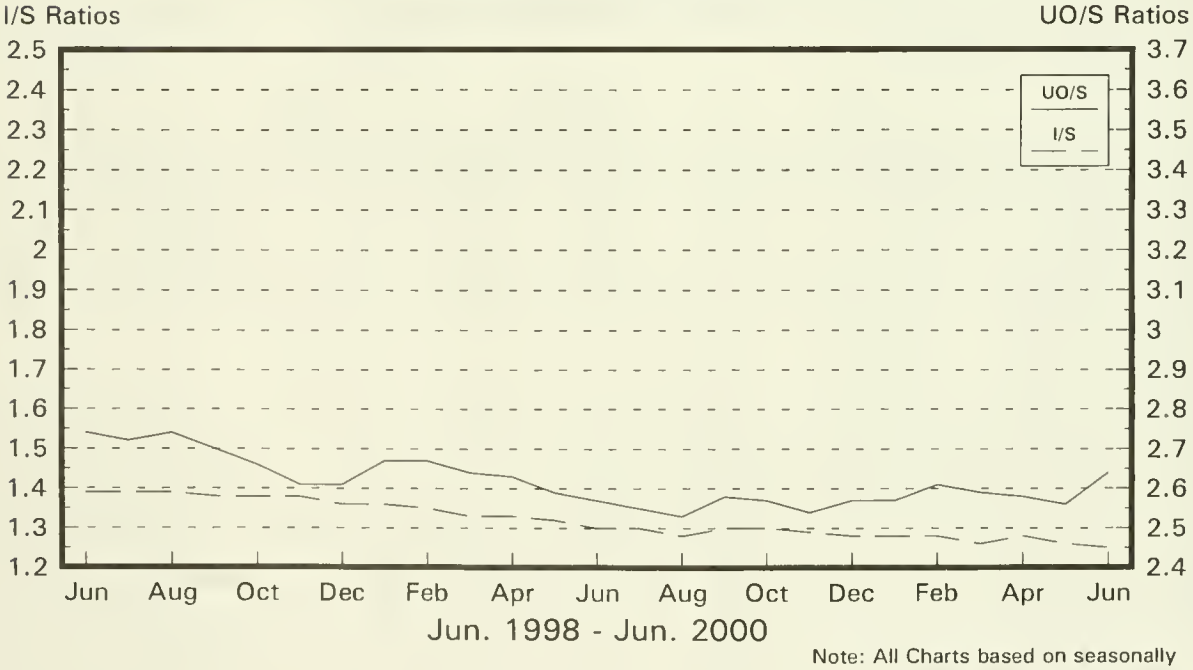
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

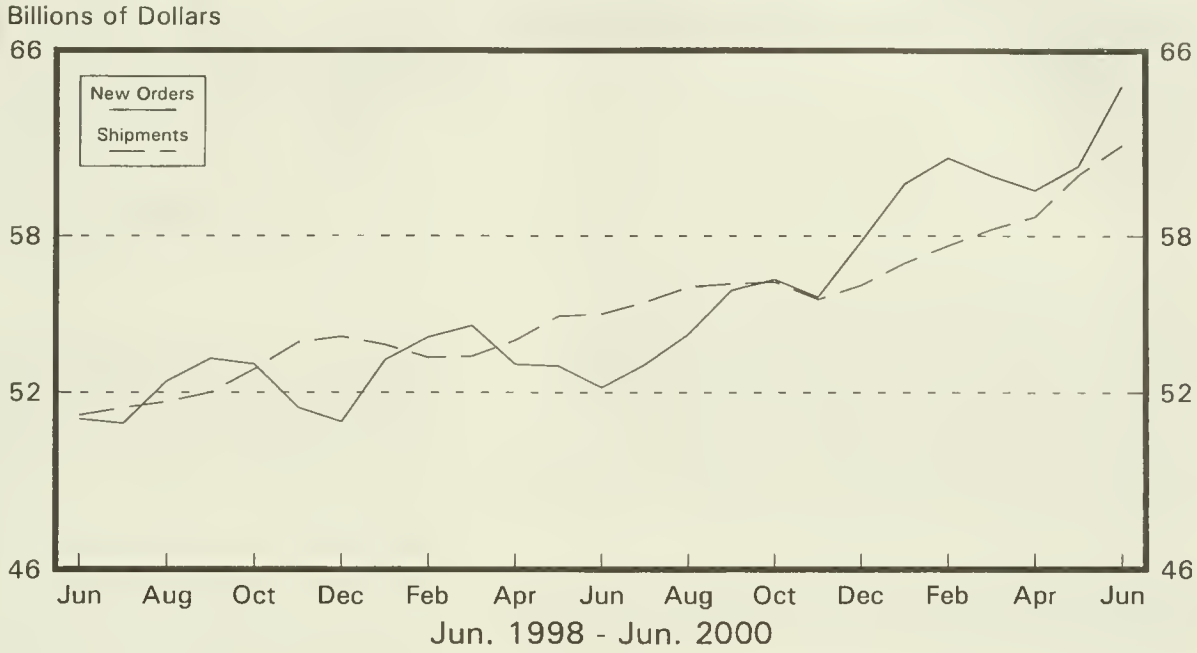
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

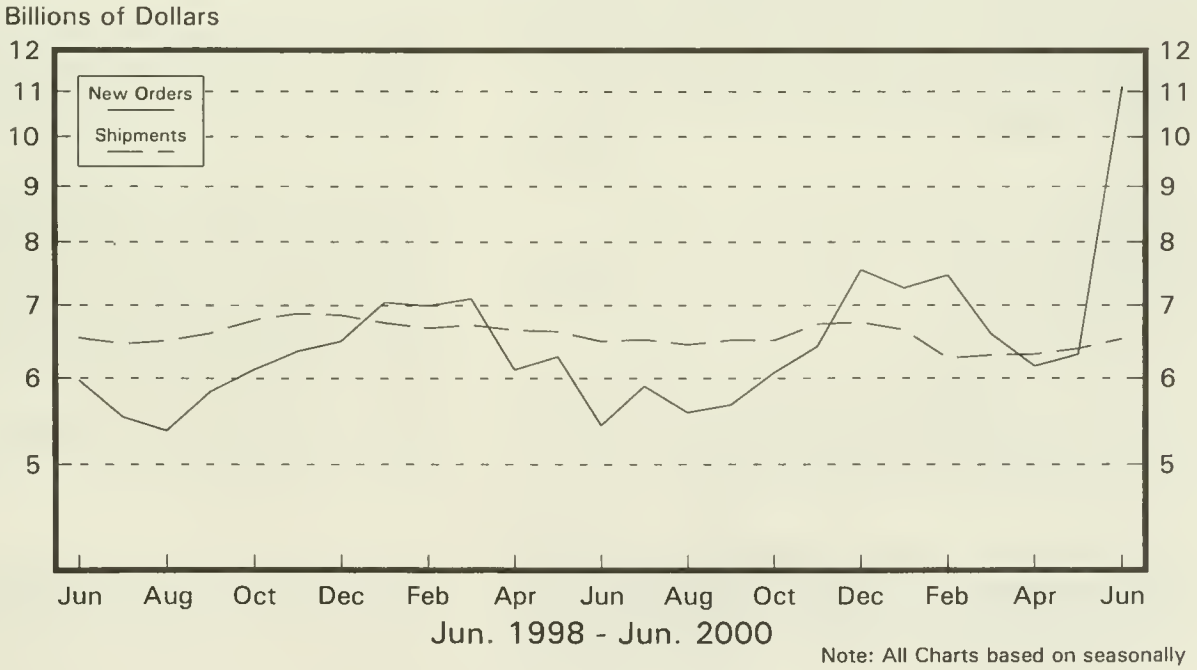
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

July 2000
M3-t-(00)-07
For Wire Transmissions 10:00 a.m. E.S.T. August 31, 2000

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July decreased $30.5 billion or 7.5 percent to $377.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 5.2 percent June increase and is the largest decrease on record. Excluding transportation, new orders decreased 2.6 percent. Year to date, new orders are 9.5 percent above the same period a year ago.

Shipments decreased $4.7 billion or 1.2 percent to $379.5 billion, following a 0.8 percent June increase. Year to date, shipments are 7.9 percent above the same period a year ago.

Unfilled orders decreased $2.0 billion or 0.3 percent to $580.2 billion, following a 4.3 percent June increase. The unfilled orders-to-shipments ratio was 2.67, up from 2.64 in June.

Inventories increased $3.2 billion or 0.7 percent to $485.2 billion, following a 0.6 percent June increase. This is the tenth increase in the last eleven months. The inventories-to-shipments ratio was 1.28, up from 1.25 in June.

New Orders

New orders for manufactured durable goods in July decreased $30.0 billion or 12.4 percent to $211.8 billion, unrevised from the previously published 12.4 percent decrease. This is the largest decrease on record. Excluding transportation, new orders decreased 4.7 percent.

Transportation equipment had the largest decrease, $21.8 billion or 31.8 percent to $46.7 billion, mostly due to aircraft and parts. This is the largest decrease on record. Electronic and other electrical equipment decreased $8.1 billion or 17.2 percent to $39.0 billion, due to electronic components and communication equipment. Instruments and related products decreased $2.0 billion or 12.1 percent to $14.6 billion. Industrial machinery and equipment, up four of the last five months, increased $2.4 billion or 5.5 percent to $46.0 billion.

New orders for nondurable goods decreased $0.5 billion or 0.3 percent to $165.8 billion. Petroleum and coal products had the largest decrease.

Shipments

Shipments of durable goods in July decreased $4.1 billion or 1.9 percent to $213.5 billion, unrevised from the previously published 1.9 percent decrease.

Transportation equipment had the largest decrease, $4.9 billion or 9.4 percent to $47.3 billion; all component industries decreased except shipbuilding and tanks. This is the largest decrease since the 9.9 percent decline in July 1993. Instruments and related products decreased $0.7 billion or 4.5 percent to $14.8 billion. This is the largest decrease since the 4.5 percent decline in October 1988. Industrial machinery and equipment increased $2.2 billion or 5.2 percent to $44.3 billion.

Shipments of nondurable goods decreased $0.6 billion or 0.3 percent to $166.0 billion. Petroleum and coal products had the largest decrease, $0.7 billion or 3.4 percent to $19.7 billion.

Unfilled Orders

Unfilled orders for durable goods in July decreased $1.8 billion or 0.3 percent to $554.5 billion, unrevised from the previously published 0.3 percent decrease. Electronic and other electrical equipment had the largest decrease, $2.1 billion or 2.0 percent to $102.2 billion, due to electronic components. Transportation equipment, down five of the last six months, decreased $0.6 billion or 0.3 percent to $242.3 billion. Primary metals, down nine consecutive months, decreased $0.3 billion or 0.8 percent to $31.0 billion. Industrial machinery and equipment increased $1.7 billion or 1.9 percent to $90.2 billion. This is the thirteenth consecutive increase.

Inventories

Inventories of durable goods in July increased $2.2 billion or 0.7 percent to $303.3 billion. This is the tenth increase in the last eleven months. All major industry groups increased.

Electronic and other electrical equipment had the largest increase, $0.6 billion or 1.4 percent to $45.8 billion. This is the tenth increase in the last eleven months.

Inventories of nondurable goods, up thirteen consecutive months, increased $1.0 billion or 0.6 percent to $181.9 billion.

By stage of fabrication, July finished goods increased 2.1 percent in durables and 0.3 percent in nondurables. Work in process decreased 0.3 percent in durables and increased 1.5 percent in nondurables. Materials and supplies increased 0.7 percent in durables and 0.4 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for August is scheduled for September 27, 2000 at 8:30 a.m. and the full report on October 4, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www.stat-usa.gov.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99	2000[p]	1999
All manufacturing industries	379,547	384,208	381,157	-1.2	+0.8	+2.2	341,490	412,589	380,276	320,282	+6.6	2,600,864	2,411,534
Manufacturing Industries													
with unfilled orders	217,615	220,219	218,254	-1.2	+0.9	+2.2	194,081	240,183	214,477	181,081	+7.2	1,476,714	1,372,536
without defense capital goods	372,947	377,158	374,927	-1.1	+0.6	+2.2	335,704	404,879	374,272	314,532	+6.7	2,557,204	2,366,991
Durable goods industries	213,546	217,645	214,890	-1.9	+1.3	+2.7	181,271	238,833	213,946	171,249	+5.9	1,459,947	1,364,987
With unfilled orders	178,225	180,709	178,644	-1.4	+1.2	+2.4	156,000	199,351	175,856	144,441	+8.0	1,208,032	1,117,550
Stone, clay, and glass products	8,821	8,812	8,950	+0.1	-1.5	+0.7	8,749	9,364	9,140	8,641	+1.2	61,340	58,667
Primary metals	16,002	16,092	15,978	-0.6	+0.7	+0.9	14,552	16,946	16,313	13,574	+7.2	112,841	102,162
Blast furnaces, steel mills	6,072	6,142	6,153	-1.1	-0.2	+2.2	5,497	6,463	6,299	5,169	+6.3	43,580	39,492
Iron and steel foundries	1,470	1,457	1,473	+0.9	-1.1	+3.1	1,239	1,541	1,540	1,321	-6.2	10,453	10,757
Nonferrous and other primary metals	8,460	8,493	8,352	-0.4	+1.7	-0.3	7,816	8,942	8,474	7,084	+10.3	58,808	51,914
Fabricated metal products	20,463	20,649	20,749	-0.9	-0.5	+1.2	18,122	21,984	21,106	18,208	-0.5	142,907	141,710
Industrial machinery and equipment	44,295	42,086	42,478	+5.2	-0.9	-0.7	39,391	49,283	41,107	34,097	+15.5	292,822	260,229
Engines and turbines	2,745	2,605	2,671	+5.4	-2.5	-7.3	1,921	3,004	2,596	1,860	+3.3	18,073	16,336
Farm and garden machinery	2,170	2,045	2,099	+6.1	-2.6	+4.4	1,808	2,079	2,595	1,420	+27.3	16,461	14,827
Construction, mining and material handling equipment	4,002	4,004	4,102	0.0	-2.4	+2.6	3,738	4,566	4,183	3,544	+5.5	28,930	27,980
Metalworking machinery	3,814	3,741	3,738	+2.0	+0.1	-4.0	3,181	3,989	3,617	3,054	+4.2	25,009	23,534
Computer and office equipment	15,139	13,935	14,198	+8.6	-1.9	+0.4	13,340	18,063	12,353	10,641	+25.4	93,073	77,15
Electronic and other electrical equipment	41,051	41,316	40,455	-0.6	+2.1	+3.8	36,141	45,441	38,783	30,909	+16.9	267,230	226,13
Electrical transmission and distribution equipment and industrial apparatus	4,076	4,193	4,221	-2.8	-0.7	+7.1	3,665	4,632	4,124	3,582	+2.3	28,789	26,09
Household appliances	2,292	2,404	2,477	-4.7	-2.9	+4.6	2,121	2,801	2,484	2,253	-5.9	17,021	16,46
Electric lighting and wiring equipment	2,703	2,733	2,629	-1.1	+4.0	+4.8	2,252	2,914	2,541	2,046	+10.1	17,603	15,95
Household audio and video equipment	1,254	1,231	1,114	+1.9	+10.5	-15.3	1,165	1,159	961	998	+16.7	7,655	6,71
Communications equipment	10,197	10,033	10,576	+1.6	-5.1	+3.1	8,627	11,783	9,982	7,530	+14.6	67,059	54,50
Electronic components	18,416	18,483	17,317	-0.4	+6.7	+5.3	16,674	19,814	16,627	12,711	+31.2	114,878	91,65
Transportation equipment	47,323	52,256	49,912	-9.4	+4.7	+7.1	31,705	56,149	51,605	32,697	-3.0	334,524	331,80
Motor vehicles and parts	33,490	35,026	33,581	-4.4	+4.3	+4.7	19,891	37,337	35,124	20,450	-2.7	232,336	227,90
Aircraft, missiles, space vehicles, and parts	10,318	12,388	12,675	-16.7	-2.3	+14.3	8,762	13,632	12,818	9,299	-5.8	76,014	80,52
Shipbuilding and tanks	1,187	1,109	1,087	+7.0	+2.0	+8.2	1,124	1,193	1,065	903	+24.5	7,425	6,57
Instruments and related products	14,816	15,514	14,959	-4.5	+3.7	+2.8	13,150	17,263	14,546	12,834	+2.5	102,201	98,29
Search and navigation equipment	3,008	3,242	3,047	-7.2	+6.4	+5.2	2,698	3,572	2,880	2,877	-6.2	20,974	21,65
Measuring and controlling devices	4,729	5,225	4,737	-9.5	+10.3	+0.3	4,110	5,669	4,682	3,669	+12.0	32,961	28,25
Medical instruments and supplies	4,711	4,667	4,698	+0.9	-0.7	+3.1	4,223	5,300	4,497	4,221	0.0	31,788	32,81
Photographic goods	1,840	1,868	1,949	-1.5	-4.2	+5.1	1,603	2,159	1,932	1,619	-1.0	12,893	12,20
All other durable goods	20,775	20,920	21,409	-0.7	-2.3	+1.1	19,461	22,403	21,346	20,288	-4.1	146,082	145,96
Nondurable goods industries	166,001	166,563	166,267	-0.3	+0.2	+1.5	160,219	173,756	166,330	149,033	+7.5	1,140,917	1,046,54
With unfilled orders	39,390	39,510	39,610	-0.3	-0.3	+1.4	38,081	40,832	38,621	36,640	+3.9	268,682	254,98
Food and kindred products	42,634	42,626	42,590	0.0	+0.1	-0.3	40,763	43,770	42,673	39,577	+3.0	291,696	285,67
Meat products	9,844	9,847	9,753	0.0	+1.0	-0.4	9,592	10,063	9,893	8,678	+10.5	66,801	60,29
Dairy products	6,304	6,435	6,380	-2.0	+0.9	-0.1	5,893	6,701	6,420	5,909	-0.3	43,402	44,65
Beverages	6,567	6,560	6,681	+0.1	-1.8	+0.7	6,817	7,411	7,146	6,621	+3.0	46,327	44,07
All other foods, except fats and oils	18,194	17,990	17,973	+1.1	+0.1	-0.8	16,736	17,801	17,411	16,668	+0.4	122,619	123,67
Tobacco products	4,493	4,298	4,695	+4.5	-8.5	+7.8	4,352	4,432	4,987	4,157	+4.7	30,764	28,95
Textile mill products	6,489	6,554	6,446	-1.0	+1.7	-1.1	5,973	7,123	6,439	6,045	-1.2	44,797	44,75
Broadwoven fabrics and other textiles	3,641	3,651	3,606	-0.3	+1.2	+0.7	3,208	3,959	3,668	3,253	-1.4	25,115	25,91
Paper and allied products	14,556	14,540	14,672	+0.1	-0.9	+1.1	14,114	15,081	14,573	13,208	+6.9	100,966	93,81
Pulp, paper, and paperboard mill products	5,859	5,858	5,843	0.0	+0.3	+0.5	5,752	6,020	5,710	5,162	+11.4	40,482	35,85
Paperboard containers and boxes	3,928	3,942	4,057	-0.4	-2.8	+0.8	3,755	4,039	4,107	3,275	+14.7	27,536	23,26
Miscellaneous converted paper products	4,769	4,740	4,772	+0.6	-0.7	+2.1	4,607	5,022	4,756	4,771	-3.4	32,948	34,69
Chemicals and allied products	37,026	36,621	37,082	+1.1	-1.2	+2.5	35,388	39,032	37,235	33,033	+7.1	256,157	237,13
Industrial chemicals	16,007	15,999	16,042	+0.1	-0.3	+0.6	15,513	16,890	16,130	14,960	+3.7	112,601	104,72
Drugs, soaps, and toiletries	17,095	16,730	17,176	+2.2	-2.6	+4.2	16,217	17,709	16,206	14,495	+11.9	113,367	102,63
Petroleum and coal products	19,651	20,342	18,876	-3.4	+7.8	+2.9	20,261	21,369	19,610	15,083	+34.3	132,828	87,91
Rubber and plastics products	14,526	14,696	14,794	-1.2	-0.7	+2.9	13,196	15,662	15,244	12,292	+7.4	102,395	95,08
All other nondurable goods	26,626	26,886	27,112	-1.0	-0.8	+1.3	26,172	27,287	25,569	25,638	+2.1	181,314	173,22

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99	2000[p]	1999
All manufacturing industries	377,594	408,087	387,906	-7.5	+5.2	+4.7	347,520	431,242	383,765	328,590	+5.8	2,652,306	2,421,859
Manufacturing industries with unfilled orders	215,662	244,098	225,003	-11.6	+8.5	+6.7	200,111	258,836	217,966	189,389	+5.7	1,528,156	1,382,861
without defense capital goods	371,725	387,409	380,755	-4.0	+1.7	+4.3	343,200	408,419	379,065	323,524	+6.1	2,593,886	2,379,325
Durable goods industries	211,754	241,748	221,388	-12.4	+9.2	+7.2	186,681	257,269	216,776	178,540	+4.6	1,509,290	1,372,492
With unfilled orders	176,433	204,812	185,142	-13.9	+10.6	+7.9	161,410	217,787	178,686	151,732	+6.4	1,257,375	1,125,055
Stone, clay, and glass products	8,774	8,743	8,886	+0.4	-1.6	-0.1	8,677	9,270	9,012	8,593	+1.0	61,436	58,674
Primary metals	15,741	15,991	15,864	-1.6	+0.8	+0.8	14,344	16,221	15,646	14,435	-0.6	112,813	104,860
Blast furnaces, steel mills	5,725	5,920	5,849	-3.3	+1.2	+1.3	5,033	5,870	5,732	5,307	-5.2	42,752	41,031
Iron and steel foundries	1,522	1,556	1,606	-2.2	-3.1	+10.8	1,264	1,592	1,576	1,334	-5.2	10,825	10,240
Nonferrous and other primary metals	8,494	8,515	8,409	-0.2	+1.3	-1.3	8,047	8,759	8,338	7,794	+3.2	59,236	53,589
Fabricated metal products	20,360	20,538	20,793	-0.9	-1.2	+0.5	18,278	21,767	21,169	18,325	-0.3	143,733	141,785
Industrial machinery and equipment	45,993	43,612	43,560	+5.5	+0.1	-0.2	41,412	49,631	42,267	35,206	+17.6	301,129	264,306
Engines and turbines	4,012	4,546	3,374	-11.7	+34.7	+25.0	3,406	4,963	3,155	2,428	+40.3	21,872	19,677
Construction, mining and material handling equipment	3,971	4,062	3,991	-2.2	+1.8	+1.2	3,483	4,461	3,859	3,235	+7.7	28,944	27,206
Metalworking machinery	3,668	3,496	3,707	+4.9	-5.7	-5.3	3,035	3,744	3,586	3,344	-9.2	25,162	24,059
Computer and office equipment	14,901	13,808	14,353	+7.9	-3.8	+1.0	13,250	17,683	13,009	11,047	+19.9	93,281	77,797
Electronic and other electrical equipment	38,955	47,067	47,323	-17.2	-0.5	+28.4	40,277	46,469	44,398	37,743	+6.7	286,716	238,357
Electrical transmission and distribution equipment and industrial apparatus	4,067	4,528	4,232	-10.2	+7.0	+2.6	3,699	4,864	4,086	3,671	+0.8	29,520	26,423
Electric lighting and wiring equipment	2,881	2,581	2,721	+11.6	-5.1	+3.6	2,430	2,762	2,633	2,122	+14.5	18,058	16,304
Communications equipment	10,292	13,335	10,388	-22.8	+28.4	-4.1	8,371	14,820	9,593	7,578	+10.5	70,817	55,576
Electronic components	15,896	21,091	24,094	-24.6	-12.5	+79.1	20,697	18,210	22,515	19,370	+6.9	128,624	102,297
Transportation equipment	46,681	68,467	48,354	-31.8	+41.6	+6.8	31,229	73,682	48,124	31,128	+0.3	351,721	319,428
Aircraft, missiles, space vehicles, and parts	9,748	30,100	10,824	-67.6	178.1	+8.4	8,140	32,715	9,273	8,490	-4.1	93,915	71,092
Shipbuilding and tanks	837	598	1,346	+40.0	-55.6	216.0	764	741	1,327	575	+32.9	6,626	6,427
Instruments and related products	14,647	16,657	15,112	-12.1	+10.2	+6.8	12,962	18,348	14,314	12,629	+2.6	104,344	97,989
Search and navigation equipment	2,867	4,134	3,160	-30.6	+30.8	+10.3	2,225	4,843	2,663	2,196	+1.3	22,017	21,292
Measuring and controlling devices	4,862	5,065	4,761	-4.0	+6.4	+1.4	4,243	5,509	4,706	3,669	+15.6	33,444	28,395
Medical instruments and supplies	4,539	5,096	4,745	-10.9	+7.4	+12.2	4,356	5,314	4,487	4,683	-7.0	32,438	32,843
All other durable goods	20,603	20,673	21,496	-0.3	-3.8	+0.9	19,502	21,881	21,846	20,531	-5.0	147,398	147,143
Nondurable goods industries	165,840	166,339	166,518	-0.3	-0.1	+1.6	160,839	173,973	166,989	150,050	+7.2	1,143,016	1,049,367
With unfilled orders	39,229	39,286	39,861	-0.1	-1.4	+1.8	38,701	41,049	39,280	37,657	+2.8	270,781	257,806

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ich includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further tails on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99
All manufacturing industries	580,190	582,143	558,264	-0.3	+4.3	+1.2	584,133	578,103	559,450	523,311	+11.6
Manufacturing industries without defense capital goods	472,498	473,720	463,469	-0.3	+2.2	+1.3	475,733	468,237	464,697	429,607	+10.7
Durable goods industries	554,520	556,312	532,209	-0.3	+4.5	+1.2	557,122	551,712	533,276	497,545	+12.0
Stone, clay, and glass products	6,336	6,383	6,452	-0.7	-1.1	-1.0	6,333	6,405	6,499	6,078	+4.2
Primary metals	31,029	31,290	31,391	-0.8	-0.3	-0.4	31,093	31,301	32,026	31,544	-1.4
Blast furnaces, steel mills	11,866	12,213	12,435	-2.8	-1.8	-2.4	11,805	12,269	12,862	12,574	-6.1
Iron and steel foundries	5,053	5,001	4,902	+1.0	+2.0	+2.8	5,036	5,011	4,960	4,835	+4.2
Nonferrous and other primary metals	14,110	14,076	14,054	+0.2	+0.2	+0.4	14,252	14,021	14,204	14,135	+0.8
Fabricated metal products	25,211	25,314	25,425	-0.4	-0.4	+0.2	25,574	25,418	25,635	25,503	+0.3
Industrial machinery and equipment	90,158	88,460	86,934	+1.9	+1.8	+1.3	89,534	87,513	87,165	78,518	+14.0
Engines and turbines	29,083	27,816	25,875	+4.6	+7.5	+2.8	28,597	27,112	25,153	22,066	+29.6
Construction, mining and material handling equipment	8,732	8,763	8,705	-0.4	+0.7	-1.3	8,593	8,848	8,953	8,859	-3.0
Metalworking machinery	6,643	6,789	7,034	-2.2	-3.5	-0.4	6,643	6,789	7,034	6,971	-4.7
Computer and office equipment	8,675	8,913	9,040	-2.7	-1.4	+1.7	8,889	8,979	9,359	8,587	+3.5
Electronic and other electrical equipment	102,200	104,296	98,545	-2.0	+5.8	+7.5	103,173	99,037	98,009	70,027	+47.3
Electrical transmission and distribution equipment and industrial apparatus	7,609	7,618	7,283	-0.1	+4.6	+0.2	7,627	7,593	7,361	6,510	+17.2
Electric lighting and wiring equipment	5,487	5,309	5,461	+3.4	-2.8	+1.7	5,487	5,309	5,461	5,375	+2.1
Communications equipment	30,195	30,100	26,798	+0.3	+12.3	-0.7	29,381	29,637	26,600	18,132	+62.0
Electronic components	52,340	54,860	52,252	-4.6	+5.0	+14.9	54,220	50,197	51,801	34,302	+58.1
Transportation equipment	242,255	242,897	226,686	-0.3	+7.2	-0.7	243,579	244,055	226,522	230,205	+5.8
Aircraft, missiles, space vehicles, and parts	207,048	207,618	189,906	-0.3	+9.3	-1.0	208,409	209,031	189,948	194,576	+7.1
Shipbuilding and tanks	18,691	19,041	19,552	-1.8	-2.6	+1.3	18,729	19,089	19,541	19,172	-2.3
Instruments and related products	48,553	48,722	47,579	-0.3	+2.4	+0.3	48,639	48,827	47,742	46,875	+3.8
Search and navigation equipment	26,302	26,443	25,551	-0.5	+3.5	+0.4	26,463	26,936	25,665	26,069	+1.5
Measuring and controlling devices	10,615	10,482	10,642	+1.3	-1.5	+0.2	10,615	10,482	10,642	10,325	+2.8
Medical instruments and supplies	10,760	10,932	10,503	-1.6	+4.1	+0.4	10,685	10,552	10,538	9,614	+11.1
All other durable goods	8,778	8,950	9,197	-1.9	-2.7	+1.0	9,197	9,156	9,678	8,846	+4.0
Nondurable goods industries	25,670	25,831	26,055	-0.6	-0.9	+1.0	27,011	26,391	26,174	25,766	+4.8

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99
All manufacturing industries	485,241	482,041	479,362	+0.7	+0.6	+0.3	487,283	479,830	483,500	466,518	+4 5
Manufacturing industries with unfilled orders	319,297	317,278	315,949	+0.6	+0.4	+0.3	322,500	317,115	320,001	311,804	+3.4
without defense capital goods	466,625	462,733	460,500	+0.8	+0.5	+0.3	468,356	460,414	464,591	447,496	+4.7
Durable goods industries	303,308	301,119	299,916	+0.7	+0.4	+0.2	305,334	299,648	303,296	294,993	+3.5
With unfilled orders	277,157	275,276	274,223	+0.7	+0.4	+0.2	279,601	274,673	277,719	270,594	+3.3
Stone, clay, and glass products	10,131	10,079	10,014	+0.5	+0.6	-0.7	10,164	10,152	10,252	9,514	+6.8
Primary metals	25,264	25,029	24,948	+0.9	+0.3	+0.1	25,355	24,828	24,913	23,797	+6.5
Blast furnaces, steel mills	12,340	12,288	12,162	+0.4	+1.0	+0.9	12,416	12,106	12,030	11,451	+8.4
Iron and steel foundries	1,599	1,592	1,595	+0.4	-0.2	+0.6	1,584	1,617	1,645	1,591	-0.4
Nonferrous and other primary metals	11,325	11,149	11,191	+1 6	-0.4	-0.7	11,355	11,105	11,238	10,755	+5.6
Fabricated metal products	32,628	32,247	32,040	+1.2	+0.6	+0.8	32,846	32,559	32,420	31,198	+5.3
Industrial machinery and equipment	61,445	61,141	60,806	+0.5	+0.6	+0.6	61,484	60,446	61,807	59,753	+2.9
Engines and turbines	4,815	4,699	4,620	+2.5	+1.7	+1.4	4,909	4,543	4,728	4,550	+7.9
Farm and garden machinery	3,803	3,764	3,744	+1.0	+0.5	+0.8	3,468	3,507	3,566	3,261	+6.3
Construction, mining and material handling equipment	8,807	8,759	8,782	+0.5	-0.3	-0.2	8,693	8,760	8,906	8,781	-1.0
Metalworking machinery	8,188	8,289	8,128	-1.2	+2.0	+1.1	8,417	8,320	8,261	8,218	+2.4
Computer and office equipment	8,596	8,487	8,487	+1.3	0.0	+1.6	8,837	8,320	8,949	8,916	-0.9
Electronic and other electrical equipment	45,838	45,202	44,845	+1.4	+0.8	+1.1	46,449	45,217	45,959	41,832	+11.0
Electrical transmission and distribution equipment and industrial apparatus	5,545	5,490	5,438	+1.0	+1.0	+0.9	5,525	5,384	5,449	5,226	+5.7
Household appliances	2,677	2,634	2,586	+1.6	+1.9	+0.7	2,694	2,678	2,817	2,399	+12.3
Electric lighting and wiring equipment	4,084	4,099	4,085	-0.4	+0.3	+1.9	4,174	4,163	4,182	3,664	+13.9
Household audio and video equipment	1,134	1,172	1,139	-3.2	+2.9	+2.3	1,259	1,211	1,094	1,268	-0.7
Communications equipment	11,860	11,821	11,672	+0.3	+1.3	+1.8	11,976	11,659	12,002	10,929	+9.6
Electronic components	16,374	15,993	15,852	+2.4	+0.9	+0.5	16,495	16,042	16,259	14,552	+13.4
Transportation equipment	69,296	69,166	69,204	+0.2	-0.1	-1.2	69,886	68,280	69,362	72,712	-3.9
Motor vehicles and parts	18,745	18,510	18,458	+1.3	+0.3	+0.9	19,085	18,064	18,434	17,942	+6.4
Aircraft, missiles, space vehicles, and parts	44,441	44,670	44,443	-0.5	+0.5	-2.2	44,631	44,229	44,501	48,611	-8.2
Shipbuilding and tanks	2,435	2,486	2,482	-2.1	+0.2	+0.4	2,418	2,516	2,487	2,220	+8.9
Instruments and related products	27,856	27,662	27,729	+0.7	-0.2	+0.8	28,264	27,712	28,103	27,276	+3.6
Search and navigation equipment	6,720	6,744	6,793	-0.4	-0.7	-0.1	6,915	6,759	6,893	7,015	-1.4
Measuring and controlling devices	8,960	8,806	8,798	+1.7	+0.1	+2.6	9,084	8,898	8,878	8,191	+10.9
Medical instruments and supplies	9,043	9,014	9,056	+0.3	-0.5	-0.2	9,122	8,965	9,174	8,899	+2.5
Photographic goods	2,400	2,378	2,365	+0.9	+0.5	+0.6	2,408	2,370	2,435	2,423	-0.6
other durable goods	30,850	30,593	30,330	+0.8	+0.9	+0.1	30,886	30,454	30,480	28,911	+6.8
Nondurable goods industries	181,933	180,922	179,446	+0.6	+0.8	+0.5	181,949	180,182	180,204	171,525	+6.1
With unfilled orders	42,140	42,002	41,726	+0.3	+0.7	+0.7	42,899	42,442	42,282	41,210	+4.1
Food and kindred products	38,985	39,057	39,136	-0.2	-0.2	+0.1	37,759	37,504	37,986	36,946	+2.2
Meat products	4,596	4,611	4,589	-0.3	+0.5	+0.7	4,603	4,692	4,704	4,304	+6.9
Dairy products	3,902	3,900	3,886	+0.1	+0.4	+0.1	4,023	3,966	3,983	3,998	+0.6
Beverages	8,811	8,800	8,751	+0.1	+0.6	0.0	8,575	8,700	8,755	8,459	+1.4
All other foods, except fats and oils	20,149	20,192	20,328	-0.2	-0.7	+0.3	19,106	18,646	18,987	18,630	+2.6
Tobacco products	5,341	5,381	5,293	-0.7	+1.7	-0.3	4,827	4,936	5,039	4,645	+3.9
Textile mill products	10,414	10,391	10,311	+0.2	+0.8	+0.5	10,575	10,507	10,634	10,163	+4.1
Broadwoven fabrics and other textiles	6,048	6,072	6,080	-0.4	-0.1	+0.1	6,096	6,084	6,231	6,167	-1.2
Paper and allied products	17,232	16,999	16,884	+1.4	+0.7	+0.7	17,235	17,010	17,111	15,971	+7.9
Pulp, paper, and paperboard mill products	6,815	6,688	6,585	+1.9	+1.6	+0.6	6,785	6,669	6,656	6,350	+6.9
Paperboard containers and boxes	4,569	4,501	4,507	+1.5	-0.1	+2.9	4,584	4,484	4,529	3,981	+15.1
Miscellaneous converted paper products	5,848	5,810	5,792	+0.7	+0.3	-0.9	5,866	5,857	5,926	5,640	+4.0
Chemicals and allied products	50,117	49,230	48,471	+1.8	+1.6	+0.6	50,453	49,252	49,086	47,019	+7.3
Industrial chemicals	20,793	20,506	20,074	+1.4	+2.2	+0.6	20,887	20,381	20,096	19,444	+7.4
Drugs, soaps, and toiletries	23,421	22,772	22,463	+2.8	+1.4	+0.4	23,898	23,114	23,098	21,929	+9.0
Petroleum and coal products	13,850	14,104	13,831	-1.8	+2.0	+1.2	13,981	14,338	14,230	11,275	+24.0
Rubber and plastics products	18,559	18,376	18,282	+1.0	+0.5	+0.8	18,555	18,358	18,449	17,061	+8.8
other nondurable goods	27,435	27,384	27,238	+0.2	+0.5	+0.6	28,564	28,277	27,669	28,445	+0.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	379,547	384,208	381,157	-1.2	+0.8	+2.2	341,490	412,589	380,276	320,282	+6.6	2,600,864	2,411,534
Market categories :													
Automotive equipment	16,609	17,401	16,715	-4.6	+4.1	+4.3	10,106	18,678	17,370	10,180	-0.7	114,810	110,606
Home goods and apparel	20,670	20,785	20,972	-0.6	-0.9	-1.1	19,213	21,567	19,930	18,725	+2.6	142,557	135,027
Consumer staples	80,644	80,506	80,409	+0.2	+0.1	+1.8	78,250	83,721	80,022	71,795	+9.0	546,233	497,335
Machinery and equipment	73,249	75,016	75,350	-2.4	-0.4	+3.7	61,563	85,476	74,115	57,136	+7.7	500,376	462,593
Business supplies	28,423	28,471	28,220	-0.2	+0.9	+1.9	27,073	29,838	28,164	25,331	+6.9	193,670	181,063
Construction materials and supplies	23,070	23,359	23,642	-1.2	-1.2	+1.5	22,525	25,186	24,005	23,137	-2.6	162,842	158,121
Defense products	6,755	7,171	6,517	-5.8	+10.0	+0.4	5,990	7,792	6,285	6,022	-0.5	45,336	46,298
Other materials, supplies and and intermediate products	130,127	131,499	129,332	-1.0	+1.7	+2.1	116,770	140,331	130,385	107,956	+8.2	895,040	820,491
Durable goods industries :													
Nondefense capital goods [3]	60,798	61,938	62,557	-1.8	-1.0	+3.5	53,610	72,107	60,034	48,646	+10.2	411,386	371,029
Excluding aircraft and parts	53,989	53,548	53,144	+0.8	+0.8	+0.9	47,826	62,846	50,367	42,377	+12.9	358,514	314,221
Defense capital goods [4]	6,600	7,050	6,230	-6.4	+13.2	-0.9	5,786	7,710	6,004	5,750	+0.6	43,660	44,543
Durables excluding capital goods	146,148	148,657	146,103	-1.7	+1.7	+2.5	121,875	159,016	147,908	116,853	+4.3	1,004,901	949,415
Miscellaneous series :													
Producers' durable equipment	138,169	141,232	140,158	-2.2	+0.8	+3.0	111,901	157,243	139,519	106,291	+5.3	947,140	891,774
Household durable goods	11,231	11,161	11,235	+0.6	-0.7	-0.9	9,796	11,702	10,851	9,206	+6.4	76,112	70,083
Information technology industries	32,699	32,059	32,353	+2.0	-0.9	+2.1	28,388	38,745	29,803	24,338	+16.6	211,975	178,562
Health care equipment and products	13,971	13,737	14,004	+1.7	-1.9	+3.8	12,991	14,900	13,294	12,061	+7.7	93,261	88,520
NEW ORDERS													
All manufacturing industries	377,594	408,087	387,906	-7.5	+5.2	+4.7	347,520	431,242	383,765	328,590	+5.8	2,652,306	2,421,859
Market categories :													
Automotive equipment	16,655	17,306	16,746	-3.8	+3.3	+4.5	10,199	18,542	17,342	10,218	-0.2	114,824	110,68[illegible]
Home goods and apparel	20,583	20,486	21,066	+0.5	-2.8	-0.2	19,316	20,986	20,245	19,021	+1.6	143,271	136,00[illegible]
Consumer staples	80,545	80,392	80,454	+0.2	-0.1	+1.9	78,577	83,987	80,109	72,218	+8.8	546,730	498,21[illegible]
Machinery and equipment	75,054	83,800	73,879	-10.4	+13.4	+1.5	63,849	92,909	72,793	56,557	+12.9	518,406	457,45[illegible]
Business supplies	28,355	28,297	28,237	+0.2	+0.2	+1.5	27,243	29,711	28,456	25,580	+6.5	194,265	182,071
Construction materials and supplies	23,252	23,102	23,714	+0.6	-2.6	+0.8	22,748	24,892	24,057	23,265	-2.2	163,863	159,079
Defense products	6,055	20,696	7,497	-70.7	176.1	+35.0	4,699	22,812	5,106	5,475	-14.2	59,144	44,254
Other materials, supplies and and intermediate products	127,095	134,008	136,313	-5.2	-1.7	+9.4	120,889	137,403	135,657	116,256	+4.0	911,803	834,092
Durable goods industries :													
Nondefense capital goods [3]	62,285	70,943	60,818	-12.2	+16.6	-1.1	55,376	79,963	58,333	47,804	+15.8	427,896	365,070
Excluding aircraft and parts	55,531	57,636	53,635	-3.7	+7.5	-1.5	49,647	65,785	50,896	42,589	+16.6	371,410	317,128
Defense capital goods [4]	5,869	20,678	7,151	-71.6	189.2	+29.9	4,320	22,823	4,700	5,066	-14.7	58,420	42,534
Durables excluding capital goods	143,600	150,127	153,419	-4.3	-2.1	+9.9	126,985	154,483	153,743	125,670	+1.0	1,022,974	964,888
Miscellaneous series :													
Producers' durable equipment	140,108	148,478	139,346	-5.6	+6.6	+2.0	115,089	162,328	138,759	106,225	+8.3	967,066	886,300
Household durable goods	11,177	10,905	11,277	+2.5	-3.3	+0.8	9,993	11,185	11,018	9,557	+4.6	76,354	70,682
Information technology industries	32,405	34,793	32,086	-6.9	+8.4	-0.1	28,258	41,194	30,029	24,636	+14.7	216,192	180,592
Health care equipment and products	13,798	14,165	14,051	-2.6	+0.8	+6.8	13,124	14,915	13,286	12,524	+4.8	93,921	88,554

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m[illegible] handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s[illegible] industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e[illegible] and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99
UNFILLED ORDERS											
All manufacturing industries	580,190	582,143	558,264	-0.3	+4.3	+1.2	584,133	578,103	559,450	523,311	+11.6
Market categories :											
Automotive equipment	2,518	2,472	2,566	+1.9	-3.7	+1.2	2,500	2,407	2,543	2,474	+1.1
Home goods and apparel	9,096	9,183	9,482	-0.9	-3.2	+1.0	9,322	9,219	9,800	9,293	+0.3
Consumer staples	3,085	3,184	3,298	-3.1	-3.5	+1.4	3,563	3,236	2,969	3,145	+13.3
Machinery and equipment	257,009	255,204	246,420	+0.7	+3.6	-0.6	257,223	254,937	247,504	235,429	+9.3
Business supplies	7,370	7,439	7,613	-0.9	-2.3	+0.2	7,789	7,619	7,745	7,529	+3.5
Construction materials and supplies	18,191	18,009	18,266	+1.0	-1.4	+0.4	18,388	18,165	18,459	18,198	+1.0
Defense products	102,261	102,961	89,436	-0.7	+15.1	+1.1	102,891	104,182	89,162	88,871	+15.8
Other materials, supplies and and intermediate products	180,660	183,691	181,183	-1.7	+1.4	+4.0	182,457	178,338	181,268	158,372	+15.2
Durable goods industries :											
Nondefense capital goods [3]	273,544	272,057	263,052	+0.5	+3.4	-0.7	273,105	271,339	263,483	251,123	+8.8
Excluding aircraft and parts	128,553	127,011	122,923	+1.2	+3.3	+0.4	128,114	126,293	123,354	109,484	+17.0
Defense capital goods [4]	107,692	108,423	94,795	-0.7	+14.4	+1.0	108,400	109,866	94,753	93,704	+15.7
Durables excluding capital goods	173,284	175,832	174,362	-1.4	+0.8	+4.4	175,617	170,507	175,040	152,718	+15.0
Miscellaneous series :											
Producers' durable equipment	296,376	294,437	287,191	+0.7	+2.5	-0.3	296,452	293,264	288,179	274,030	+8.2
Household durable goods	5,617	5,671	5,927	-1.0	-4.3	+0.7	5,688	5,491	6,008	5,760	-1.3
Information technology industries	48,860	49,154	46,420	-0.6	+5.9	-0.6	49,064	49,194	46,745	41,146	+19.2
Health care equipment and products	10,806	10,979	10,551	-1.6	+4.1	+0.5	10,734	10,601	10,586	9,659	+11.1
TOTAL INVENTORIES											
All manufacturing industries	485,241	482,041	479,362	+0.7	+0.6	+0.3	487,283	479,830	483,500	466,518	+4.5
Market categories :											
Automotive equipment	9,375	9,193	9,189	+2.0	0.0	+0.6	9,589	9,016	9,374	9,024	+6.3
Home goods and apparel	32,880	32,491	32,114	+1.2	+1.2	+0.5	33,889	33,352	32,971	32,439	+4.5
Consumer staples	79,315	78,923	78,367	+0.5	+0.7	+0.4	78,404	77,711	78,077	73,540	+6.6
Machinery and equipment	116,288	115,334	115,328	+0.8	0.0	-0.4	116,685	113,971	117,074	117,099	-0.4
Business supplies	29,428	29,476	29,252	-0.2	+0.8	+0.8	29,778	29,603	29,490	28,551	+4.3
Construction materials and supplies	32,038	31,856	31,662	+0.6	+0.6	+0.4	32,203	31,991	32,010	29,585	+8.8
Defense products	18,216	18,761	18,412	-2.9	+1.9	-0.6	18,523	18,870	18,478	18,710	-1.0
Other materials, supplies and and intermediate products	167,701	166,007	165,038	+1.0	+0.6	+0.7	168,212	165,316	166,026	157,570	+6.8
Durable goods industries :											
Nondefense capital goods [3]	107,038	106,155	106,067	+0.8	+0.1	-0.3	107,607	105,046	107,804	108,615	-0.9
Excluding aircraft and parts	74,625	74,072	73,695	+0.7	+0.5	+0.8	75,257	73,465	75,377	72,516	+3.8
Defense capital goods [4]	18,616	19,308	18,862	-3.6	+2.4	-0.2	18,927	19,416	18,909	19,022	-0.5
Durables excluding capital goods	177,654	175,656	174,987	+1.1	+0.4	+0.5	178,800	175,186	176,583	167,356	+6.8
Miscellaneous series :											
Producers' durable equipment	194,879	192,760	192,241	+1.1	+0.3	+0.1	196,354	191,599	194,757	191,124	+2.7
Household durable goods	17,373	17,175	16,879	+1.2	+1.8	+0.7	17,762	17,390	17,226	16,634	+6.8
Information technology industries	34,608	34,258	34,061	+1.0	+0.6	+1.7	35,207	34,006	35,052	33,393	+5.4
Health care equipment and products	21,715	21,340	21,217	+1.8	+0.6	+0.2	22,048	21,471	21,674	20,766	+6.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 2000[p]	June 2000[r]	May 2000	June-July	May-June	Apr.-May	July 2000[p]	June 2000[r]	May 2000	July 1999	July 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	162,534	161,655	161,126	+0.5	+0.3	+1.0	163,088	160,632	160,531	154,458	+5.6
Durable goods industries	98,311	97,663	97,252	+0.7	+0.4	+1.1	98,933	96,721	96,680	93,582	+5.7
Stone, clay, and glass products	3,394	3,400	3,355	-0.2	+1.3	+1.4	3,388	3,389	3,331	3,205	+5.7
Primary metals	8,069	8,049	8,028	+0.2	+0.3	+0.5	8,075	7,903	7,773	7,412	+8.9
Fabricated metal products	11,217	11,105	11,138	+1.0	-0.3	+1.7	11,257	11,102	11,037	10,579	+6.4
Industrial machinery and equipment	21,191	21,319	20,893	-0.6	+2.0	+2.9	21,320	21,259	21,035	20,090	+6.1
Electronic and other electrical equipment	18,594	18,271	18,225	+1.8	+0.3	+0.7	18,939	18,109	18,280	16,793	+12.8
Transportation equipment	15,093	14,719	15,028	+2.5	-2.1	-0.7	15,328	14,549	15,039	15,662	-2.1
Instruments and related products	9,397	9,426	9,216	-0.3	+2.3	+1.5	9,462	9,469	9,238	9,117	+3.8
Lumber, furniture and miscellaneous durable goods	11,356	11,374	11,369	-0.2	0.0	+0.6	11,164	10,941	10,947	10,724	+4.1
Nondurable goods industries	64,223	63,992	63,874	+0.4	+0.2	+0.8	64,155	63,911	63,851	60,876	+5.4
Food and kindred products	11,393	11,471	11,527	-0.7	-0.5	+0.4	11,208	11,385	11,419	11,342	-1.2
Tobacco products	4,567	4,568	4,545	0.0	+0.5	+0.1	4,227	4,278	4,399	4,209	+0.4
Textile mill products	3,017	2,928	2,893	+3.0	+1.2	+0.3	3,070	2,946	2,972	2,872	+6.9
Paper and allied products	8,144	8,072	8,144	+0.9	-0.9	+1.3	8,103	8,020	8,127	7,668	+5.7
Chemicals and allied products	16,174	16,005	15,943	+1.1	+0.4	+0.8	16,326	16,119	16,073	15,784	+3.4
Petroleum and coal products	4,195	4,368	4,349	-4.0	+0.4	+2.9	4,199	4,467	4,469	3,288	+27.7
Rubber and plastics products	7,719	7,636	7,517	+1.1	+1.6	+0.8	7,771	7,588	7,481	6,968	+11.5
Apparel, printing and publishing and leather goods	9,014	8,944	8,956	+0.8	-0.1	+0.7	9,251	9,108	8,911	8,745	+5.8
WORK IN PROCESS											
All manufacturing industries	145,496	145,323	145,104	+0.1	+0.2	-0.6	146,308	144,146	146,129	147,799	-1.0
Durable goods industries	113,563	113,876	114,240	-0.3	-0.3	-0.7	114,340	112,992	115,370	117,417	-2.6
Stone, clay, and glass products	1,647	1,632	1,640	+0.9	-0.5	-1.6	1,666	1,653	1,697	1,486	+12.1
Primary metals	8,778	8,721	8,614	+0.7	+1.2	+0.1	8,890	8,689	8,678	8,283	+7.3
Fabricated metal products	9,431	9,355	9,272	+0.8	+0.9	+0.8	9,538	9,403	9,351	9,062	+5.3
Industrial machinery and equipment	20,726	20,693	20,816	+0.2	-0.6	-0.8	20,806	20,471	21,172	21,890	-5.0
Electronic and other electrical equipment	14,114	14,096	13,979	+0.1	+0.8	+0.1	14,237	14,303	14,369	14,232	0.0
Transportation equipment	42,644	43,281	43,631	-1.5	-0.8	-1.9	42,655	42,341	43,592	46,821	-8.9
Instruments and related products	10,225	10,103	10,316	+1.2	-2.1	+0.8	10,489	10,107	10,490	10,185	+3.0
Lumber, furniture and miscellaneous durable goods	5,998	5,995	5,972	+0.1	+0.4	+0.4	6,059	6,025	6,021	5,458	+11.0
Nondurable goods industries	31,933	31,447	30,864	+1.5	+1.9	-0.1	31,968	31,154	30,759	30,382	+5.2
Food and kindred products	6,519	6,557	6,578	-0.6	-0.3	+1.0	5,976	6,102	6,131	5,636	+6.0
Tobacco products	83	84	83	-1.2	+1.2	-17.0	74	71	71	78	-5.1
Textile mill products	2,469	2,530	2,551	-2.4	-0.8	+0.6	2,486	2,516	2,584	2,491	-0.2
Paper and allied products	1,831	1,812	1,748	+1.0	+3.7	+0.9	1,842	1,838	1,757	1,670	+10.3
Chemicals and allied products	9,794	9,120	8,802	+7.4	+3.6	-1.0	10,083	9,242	9,049	9,314	+8.3
Petroleum and coal products	3,321	3,356	3,223	-1.0	+4.1	-2.6	3,299	3,344	3,302	2,636	+25.2
Rubber and plastics products	2,298	2,301	2,306	-0.1	-0.2	+0.5	2,274	2,253	2,285	2,280	-0.3
Apparel, printing and publishing and leather goods	5,618	5,687	5,573	-1.2	+2.0	+0.8	5,934	5,788	5,580	6,277	-5.5
FINISHED GOODS											
All manufacturing industries	177,211	175,063	173,132	+1.2	+1.1	+0.4	177,887	175,052	176,840	164,261	+8.3
Durable goods industries	91,434	89,580	88,424	+2.1	+1.3	+0.3	92,061	89,935	91,246	83,994	+9.6
Stone, clay, and glass products	5,090	5,047	5,019	+0.9	+0.6	-1.7	5,110	5,110	5,224	4,823	+6.0
Primary metals	8,417	8,259	8,306	+1.9	-0.6	-0.2	8,390	8,236	8,462	8,102	+3.6
Fabricated metal products	11,980	11,787	11,630	+1.6	+1.3	-0.2	12,051	12,054	12,032	11,557	+4.3
Industrial machinery and equipment	19,528	19,129	19,097	+2.1	+0.2	-0.2	19,358	18,716	19,600	17,773	+8.9
Electronic and other electrical equipment	13,130	12,835	12,641	+2.3	+1.5	+2.9	13,273	12,805	13,310	10,807	+22.8
Transportation equipment	11,559	11,166	10,545	+3.5	+5.9	+1.4	11,903	11,390	10,731	10,229	+16.4
Instruments and related products	8,234	8,133	8,197	+1.2	-0.8	0.0	8,313	8,136	8,375	7,974	+4.3
Lumber, furniture and miscellaneous durable goods	13,496	13,224	12,989	+2.1	+1.8	-0.5	13,663	13,488	13,512	12,729	+7.3
Nondurable goods industries	85,777	85,483	84,708	+0.3	+0.9	+0.6	85,826	85,117	85,594	80,267	+6.9
Food and kindred products	21,073	21,029	21,031	+0.2	0.0	-0.3	20,575	20,017	20,436	19,968	+3.0
Tobacco products	691	729	665	-5.2	+9.6	-0.7	526	587	569	358	+46.9
Textile mill products	4,928	4,933	4,867	-0.1	+1.4	+0.7	5,019	5,045	5,078	4,800	+4.6
Paper and allied products	7,257	7,115	6,992	+2.0	+1.8	-0.1	7,290	7,152	7,227	6,633	+9.9
Chemicals and allied products	24,149	24,105	23,726	+0.2	+1.6	+1.1	24,044	23,891	23,964	21,921	+9.7
Petroleum and coal products	6,334	6,380	6,259	-0.7	+1.9	+2.2	6,483	6,527	6,459	5,351	+21.2
Rubber and plastics products	8,542	8,439	8,459	+1.2	-0.2	+1.0	8,510	8,517	8,683	7,813	+8.9
Apparel, printing and publishing and leather goods	12,803	12,753	12,709	+0.4	+0.3	+0.5	13,379	13,381	13,178	13,423	-0.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 2000[p]	June 2000[r]	May 2000	Apr. 2000	July 2000[p]	June 2000[r]	May 2000	Apr. 2000
All manufacturing industries	1.28	1.25	1.26	1.28	2.67	2.64	2.56	2.58
Durable goods industries	1.42	1.38	1.40	1.43	3.11	3.08	2.98	3.01
Stone, clay, and glass products	1.15	1.14	1.12	1.13	0.75	0.75	0.75	0.76
Primary metals	1.58	1.56	1.56	1.57	1.94	1.94	1.96	1.99
Fabricated metal products	1.59	1.56	1.54	1.55	1.30	1.30	1.30	1.31
Industrial machinery and equipment	1.39	1.45	1.43	1.41	2.14	2.21	2.15	2.11
Electronic and other electrical equipment	1.12	1.09	1.11	1.14	2.49	2.52	2.44	2.35
Transportation equipment	1.46	1.32	1.39	1.50	9.86	8.63	8.42	9.22
Instruments and related products	1.88	1.78	1.85	1.89	3.28	3.14	3.18	3.26
Nondurable goods industries	1.10	1.09	1.08	1.09	0.65	0.65	0.66	0.66
Food and kindred products	0.91	0.92	0.92	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.19	1.25	1.13	1.22	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.59	1.60	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.17	1.15	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.34	1.31	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.70	0.69	0.73	0.75	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.25	1.24	1.26	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 2000	July[2] 1995-1999	July 1999-June 2000	July[1] 2000	July[2] 1995-1999	July 1999-June 2000	July[1] 2000	July[2] 1995-1999	July 1999-June 2000	July[1] 2000	July[2] 1995-1999	July 1999-June 2000
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.2	0.2	0.0	0.3	0.5	0.0	0.1	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.3	0.5	(X)	0.9	0.3	(X)	0.8	0.3	(X)	0.1	0.6
Primary metals	-0.2	0.2	0.3	-0.2	0.5	0.8	0.0	0.2	0.3	(X)	0.0	0.2
Fabricated metal products	(X)	0.2	0.3	(X)	0.2	0.4	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment	1.1	0.3	0.5	1.2	0.2	0.6	0.0	0.1	0.3	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.6	0.4	-0.4	1.1	1.8	-0.1	0.7	0.8	(X)	0.1	0.2
Transportation equipment	-0.1	0.8	0.5	-0.1	0.8	1.2	0.0	0.1	0.2	(X)	0.2	0.1
Instruments and related products	(X)	0.5	0.7	(X)	1.2	1.2	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries	(X)	0.0	0.1	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.1	0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.1	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6
Rubber and plastics products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2
Capital goods industries :												
Nondefense	0.6	0.2	0.3	0.1	0.4	0.7	-0.1	0.1	0.2	(X)	0.1	0.1
Defense	0.8	0.8	0.7	0.4	2.9	5.6	0.0	0.2	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

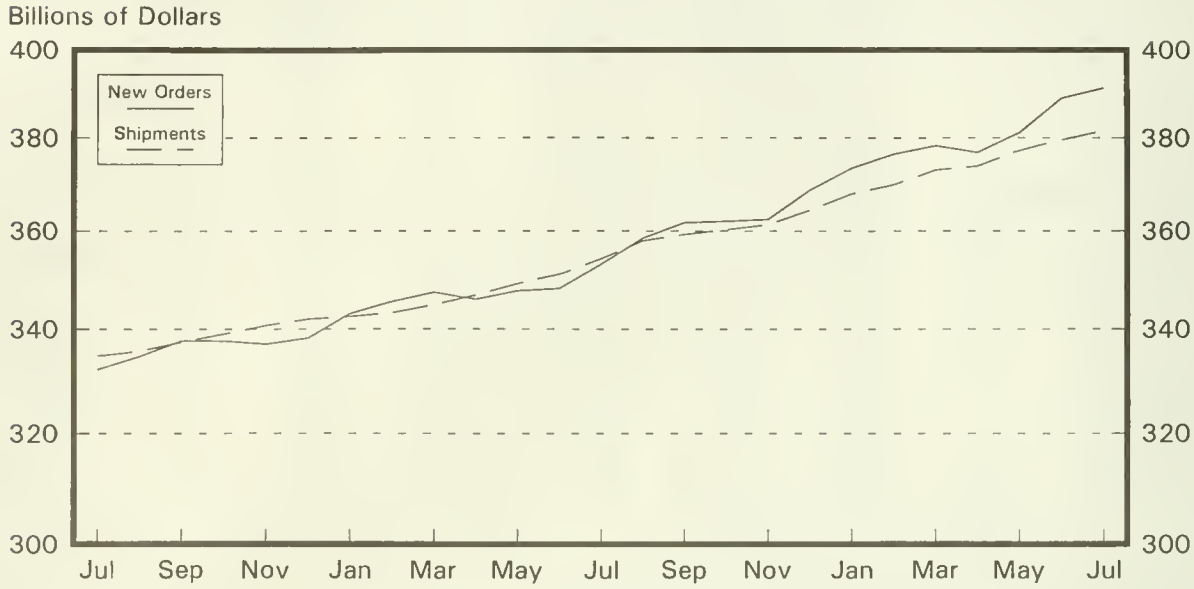
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

Total Manufacturing

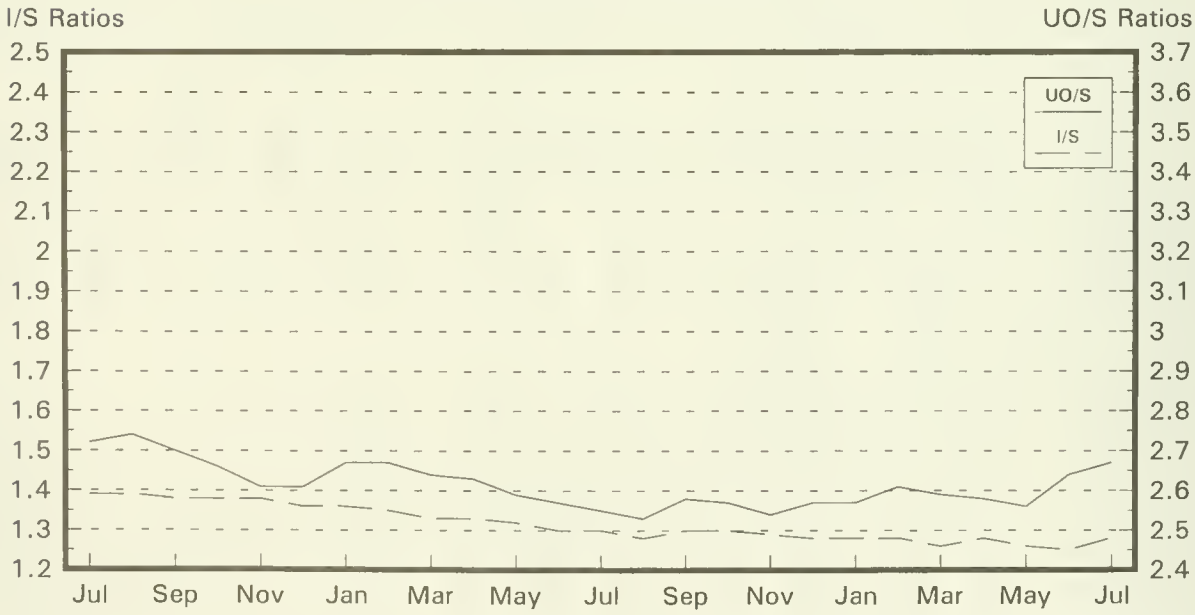
New Orders and Shipments
Three Month Moving Averages



Jul. 1998 - Jul. 2000

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

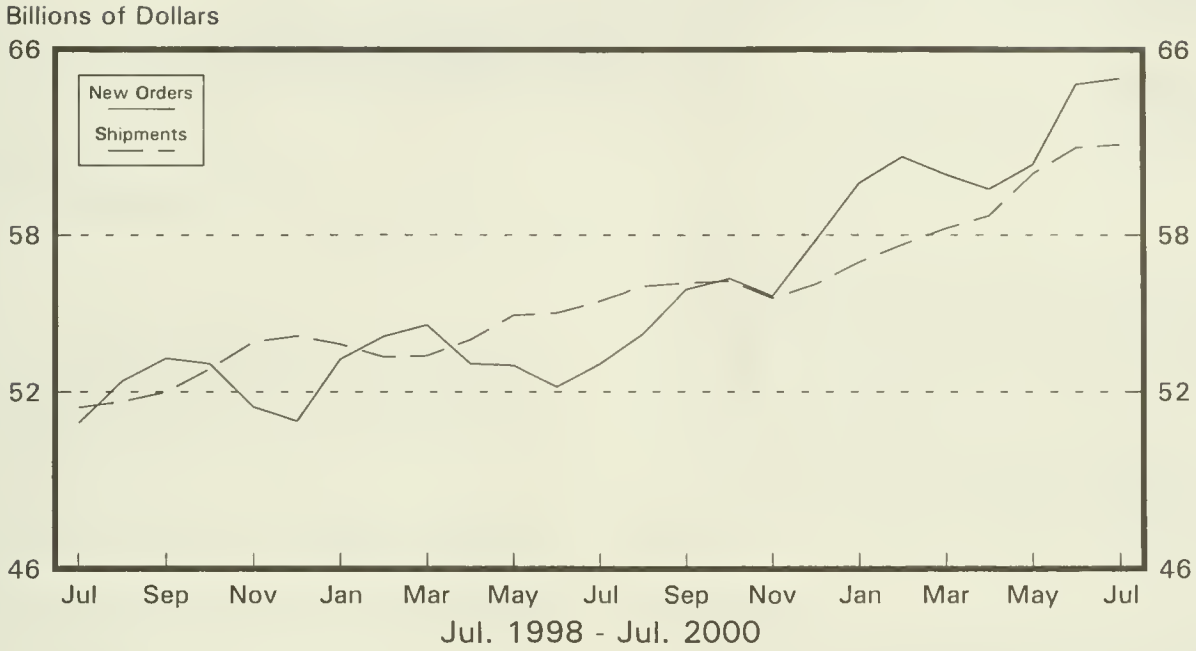


Jul. 1998 - Jul. 2000

Note: All Charts based on seasonally adjusted current dollars.

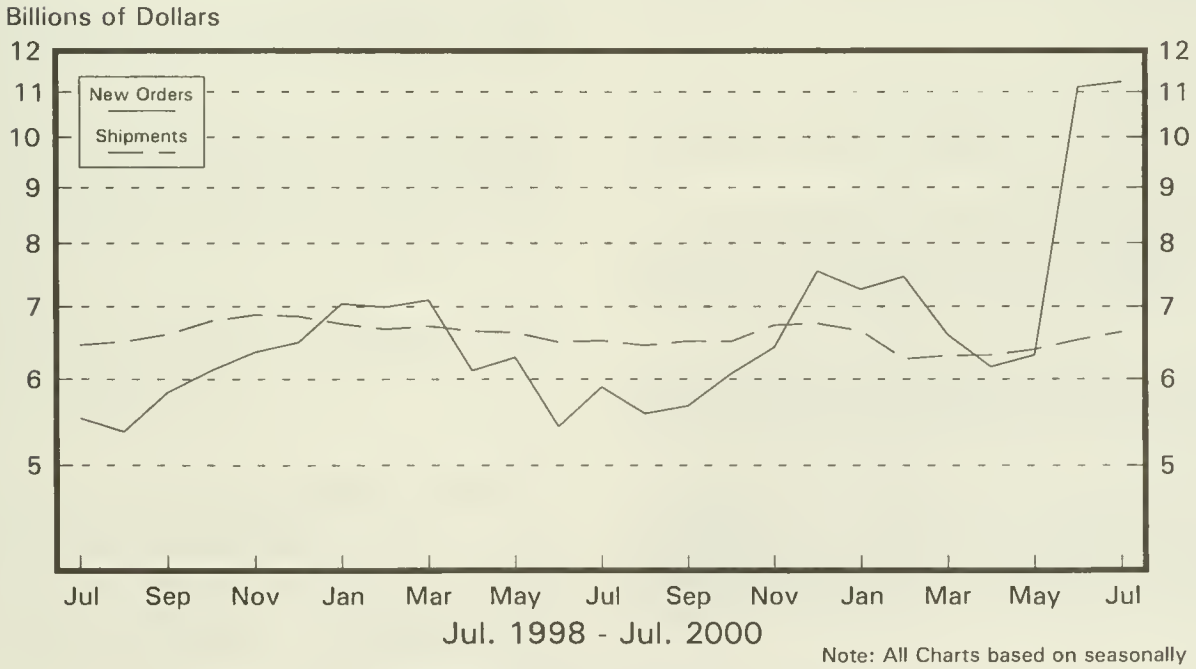
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

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August 2000
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For Wire Transmissions 10:00 a.m. E.S.T. October 4, 2000

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August increased $7.5 billion or 2.0 percent to $382.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows an 8.1 percent July decrease. Excluding transportation, new orders increased 1.3 percent. Year to date, new orders are 8.8 percent above the same period a year ago.

Shipments increased $3.8 billion or 1.0 percent to $381.4 billion, following a 1.7 percent July decrease. Year to date, shipments are 7.5 percent above the same period a year ago.

Unfilled orders increased $1.1 billion or 0.2 percent to $580.7 billion, following a 0.4 percent July decrease. The unfilled orders-to-shipments ratio was 2.64, down from 2.67 in July.

Inventories increased $1.3 billion or 0.3 percent to $487.6 billion, following a 0.9 percent July increase. This is the eleventh increase in the last twelve months. The inventories-to-shipments ratio was 1.28, down from 1.29 in July.

New Orders

New orders for manufactured durable goods in August increased $6.0 billion or 2.9 percent to $215.9 billion, unrevised from the previously published 2.9 percent increase.

Transportation equipment had the largest increase, $3.1 billion or 6.6 percent to $49.2 billion, due to aircraft and parts. Electronic and other electrical equipment increased $1.0 billion or 2.7 percent to $39.2 billion, due to electronic components. Instruments and related products increased $0.7 billion or 4.8 percent to $15.4 billion. Industrial machinery and equipment, up five of the last six months, increased $0.4 billion or 0.9 percent to $46.2 billion.

New orders for nondurable goods increased $1.5 billion or 0.9 percent to $166.6 billion. Chemicals and allied products had the largest increase.

Shipments

Shipments of durable goods in August increased $2.3 billion or 1.1 percent to $214.5 billion, unrevised from the previously published 1.1 percent increase.

Transportation equipment had the largest increase, $0.8 billion or 1.8 percent to $47.5 billion; an increase in aircraft and parts more than offset a decline in motor vehicles and parts. Instruments and related products increased $0.6 billion or 4.1 percent to $15.4 billion. This is the largest increase since September 1997. Electronic and other electrical equipment, up five of the last six months, increased $0.4 billion or 0.9 percent to $41.1 billion, mostly due to communication equipment.

Shipments of nondurable goods increased $1.5 billion or 0.9 percent to $166.9 billion. Chemicals and allied products had the largest increase, $0.7 billion or 1.8 percent to $37.3 billion.

Unfilled Orders

Unfilled orders for durable goods in August increased $1.4 billion or 0.3 percent to $555.5 billion, unrevised from the previously published 0.3 percent increase. Industrial machinery and equipment, up fourteen consecutive months, had the largest increase, $2.0 billion or 2.2 percent to $92.1 billion. Transportation equipment increased $1.7 billion or 0.7 percent to $244.1 billion. Electronic and other electrical equipment decreased $2.0 billion or 1.9 percent to $99.7 billion. Primary metals decreased $0.3 billion or 0.9 percent to $30.7 billion. This is the tenth consecutive decrease.

Inventories

Inventories of durable goods in August increased $1.5 billion or 0.5 percent to $305.3 billion. This is the eleventh increase in the last twelve months.

Electronic and other electrical equipment had the largest increase, $0.5 billion or 1.1 percent to $46.4 billion. This is the eleventh increase in the last twelve months. Industrial machinery and equipment, up five consecutive months, increased $0.4 billion or 0.7 percent to $62.4 billion.

Inventories of nondurable goods, down for the first time since June 1999, decreased $0.3 billion or 0.1 percent to $182.3 billion. Food and kindred products had the largest decrease, $0.3 billion or 0.8 percent to $38.6 billion.

By stage of fabrication, August finished goods increased 1.4 percent in durables and decreased 0.2 percent in nondurables. Work in process decreased 0.6 percent in durables and was unchanged in nondurables. Materials and supplies increased 0.9 percent in durables and decreased 0.1 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for September is scheduled for October 27, 2000 at 8:30 a.m. and the full report on November 3, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www.stat-usa.gov.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99	2000[p]	1999
All manufacturing industries	381,385	377,584	384,208	+1.0	-1.7	+0.8	382,532	339,435	412,589	363,407	+5.3	2,981,341	2,774,941
Manufacturing Industries													
with unfilled orders	219,915	216,896	220,219	+1.4	-1.5	+0.9	217,853	193,306	240,183	204,760	+6.4	1,693,792	1,577,296
without defense capital goods	375,115	371,033	377,158	+1.1	-1.6	+0.6	376,574	333,684	404,879	357,194	+5.4	2,931,758	2,724,185
Durable goods industries	214,480	212,142	217,645	+1.1	-2.5	+1.3	211,171	180,056	238,833	203,223	+3.9	1,669,903	1,568,210
With unfilled orders	180,620	177,514	180,709	+1.7	-1.8	+1.2	177,089	155,172	199,351	165,533	+7.0	1,384,293	1,283,083
Stone, clay, and glass products	8,908	8,786	8,812	+1.4	-0.3	-1.5	9,361	8,726	9,364	9,358	0.0	70,678	68,025
Primary metals	15,881	15,917	16,092	-0.2	-1.1	+0.7	15,930	14,462	16,946	15,298	+4.1	128,681	117,461
Blast furnaces, steel mills	5,934	6,032	6,142	-1.6	-1.8	-0.2	5,941	5,464	6,463	5,897	+0.7	49,488	45,389
Iron and steel foundries	1,457	1,470	1,457	-0.9	+0.9	-1.1	1,478	1,244	1,541	1,575	-6.2	11,936	12,332
Nonferrous and other primary metals	8,490	8,415	8,493	+0.9	-0.9	+1.7	8,511	7,754	8,942	7,826	+8.8	67,257	59,740
Fabricated metal products	20,525	20,384	20,649	+0.7	-1.3	-0.5	21,089	18,021	21,984	21,368	-1.3	163,895	163,084
Industrial machinery and equipment	44,216	44,185	42,086	+0.1	+5.0	-0.9	41,464	39,090	49,283	36,108	+14.8	333,985	296,337
Engines and turbines	2,731	2,715	2,605	+0.6	+4.2	-2.5	2,445	1,885	3,004	2,467	-0.9	20,482	18,803
Farm and garden machinery	2,104	2,139	2,045	-1.6	+4.6	-2.6	1,688	1,775	2,079	1,416	+19.2	18,116	16,242
Construction, mining and material handling equipment	3,964	4,000	4,004	-0.9	-0.1	-2.4	3,744	3,764	4,566	3,569	+4.9	32,700	31,549
Metalworking machinery	3,839	3,819	3,741	+0.5	+2.1	+0.1	3,654	3,182	3,989	3,553	+2.8	28,664	27,087
Computer and office equipment	15,225	15,131	13,935	+0.6	+8.6	-1.9	14,282	13,138	18,063	10,849	+31.6	107,153	88,000
Electronic and other electrical equipment	41,148	40,771	41,316	+0.9	-1.3	+2.1	39,655	35,994	45,441	34,123	+16.2	306,738	260,259
Electrical transmission and distribution equipment and industrial apparatus	4,152	4,175	4,193	-0.6	-0.4	-0.7	4,090	3,803	4,632	4,088	0.0	33,017	30,183
Household appliances	2,334	2,294	2,404	+1.7	-4.6	-2.9	2,333	2,124	2,801	2,474	-5.7	19,357	18,946
Electric lighting and wiring equipment	2,610	2,669	2,733	-2.2	-2.3	+4.0	2,580	2,243	2,914	2,536	+1.7	20,174	18,48
Household audio and video equipment	1,157	1,228	1,231	-5.8	-0.2	+10.5	1,194	1,156	1,159	1,138	+4.9	8,840	7,85
Communications equipment	10,466	10,146	10,033	+3.2	+1.1	-5.1	9,333	8,589	11,783	7,679	+21.5	76,354	62,18
Electronic components	18,213	18,133	18,483	+0.4	-1.9	+6.7	17,903	16,438	19,814	13,894	+28.9	132,545	105,54
Transportation equipment	47,486	46,651	52,256	+1.8	-10.7	+4.7	47,369	31,413	56,149	51,079	-7.3	381,601	382,88
Motor vehicles and parts	31,902	32,990	35,026	-3.3	-5.8	+4.3	32,120	19,820	37,337	35,318	-9.1	264,385	263,22
Aircraft, missiles, space vehicles, and parts	12,032	10,268	12,388	+17.2	-17.1	-2.3	11,563	8,670	13,632	12,132	-4.7	87,485	92,65
Shipbuilding and tanks	1,152	1,183	1,109	-2.6	+6.7	+2.0	1,151	1,122	1,193	1,027	+12.1	8,574	7,60
Instruments and related products	15,444	14,841	15,514	+4.1	-4.3	+3.7	14,979	13,134	17,263	13,975	+7.2	117,164	112,27
Search and navigation equipment	3,101	3,002	3,242	+3.3	-7.4	+6.4	3,001	2,691	3,572	3,014	-0.4	23,968	24,66
Measuring and controlling devices	5,029	4,742	5,225	+6.1	-9.2	+10.3	4,968	4,120	5,669	4,217	+17.8	37,939	32,47
Medical instruments and supplies	4,835	4,699	4,667	+2.9	+0.7	-0.7	4,648	4,180	5,300	4,528	+2.7	36,393	37,34
Photographic goods	1,944	1,868	1,868	+4.1	0.0	-4.2	1,824	1,627	2,159	1,719	+6.1	14,741	13,92
All other durable goods	20,872	20,607	20,920	+1.3	-1.5	-2.3	21,324	19,216	22,403	21,914	-2.7	167,161	167,88
Nondurable goods industries	166,905	165,442	166,563	+0.9	-0.7	+0.2	171,361	159,379	173,756	160,184	+7.0	1,311,438	1,206,73
With unfilled orders	39,295	39,382	39,510	-0.2	-0.3	-0.3	40,764	38,134	40,832	39,227	+3.9	309,499	294,21
Food and kindred products	42,781	42,494	42,626	+0.7	-0.3	+0.1	43,545	40,612	43,770	42,498	+2.5	335,090	328,17
Meat products	9,938	9,868	9,847	+0.7	+0.2	+1.0	10,186	9,673	10,063	9,419	+8.1	77,068	69,71
Dairy products	6,241	6,295	6,435	-0.9	-2.2	+0.9	6,273	5,906	6,701	6,535	-4.0	49,688	51,18
Beverages	6,604	6,570	6,560	+0.5	+0.2	-1.8	7,069	6,835	7,411	6,815	+3.7	53,414	50,88
All other foods, except fats and oils	18,233	18,054	17,990	+1.0	+0.4	+0.1	18,252	16,491	17,801	18,005	+1.4	140,626	141,67
Tobacco products	4,618	4,478	4,298	+3.1	+4.2	-8.5	4,822	4,342	4,432	4,319	+11.6	35,576	33,26
Textile mill products	6,439	6,507	6,554	-1.0	-0.7	+1.7	6,785	6,016	7,123	6,912	-1.8	51,625	51,66
Broadwoven fabrics and other textiles	3,637	3,655	3,651	-0.5	+0.1	+1.2	3,749	3,225	3,959	3,765	-0.4	28,881	29,67
Paper and allied products	14,436	14,542	14,540	-0.7	0.0	-0.9	14,686	14,154	15,081	14,220	+3.3	115,692	108,03
Pulp, paper, and paperboard mill products	5,717	5,815	5,858	-1.7	-0.7	+0.3	5,823	5,747	6,020	5,605	+3.9	46,300	41,46
Paperboard containers and boxes	3,927	3,878	3,942	+1.3	-1.6	-2.8	4,024	3,700	4,039	3,669	+9.7	31,505	26,93
Miscellaneous converted paper products	4,792	4,849	4,740	-1.2	+2.3	-0.7	4,839	4,707	5,022	4,946	-2.2	37,887	39,63
Chemicals and allied products	37,260	36,586	36,621	+1.8	-0.1	-1.2	36,938	34,639	39,032	34,532	+7.0	292,346	271,60
Industrial chemicals	16,176	16,019	15,999	+1.0	+0.1	-0.3	16,047	15,491	16,890	15,274	+5.1	128,626	119,99
Drugs, soaps, and toiletries	17,098	16,642	16,730	+2.7	-0.5	-2.6	17,214	15,497	17,709	15,639	+10.1	129,861	118,27
Petroleum and coal products	19,720	19,718	20,342	0.0	-3.1	+7.8	20,809	20,296	21,369	16,227	+28.2	153,672	104,14
Rubber and plastics products	14,588	14,439	14,696	+1.0	-1.7	-0.7	14,839	13,105	15,662	14,131	+5.0	117,143	109,2
All other nondurable goods	27,063	26,678	26,886	+1.4	-0.8	-0.8	28,937	26,215	27,287	27,345	+5.8	210,294	200,50

[p] Preliminary. [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99	2000[p]	1999
All manufacturing industries	382,530	375,030	408,087	+2.0	-8.1	+5.2	381,138	345,466	431,242	365,069	+4.4	3,031,390	2,786,928
anufacturing industries													
vith unfilled orders	221,060	214,342	244,098	+3.1	-12.2	+8.5	216,459	199,337	258,836	206,422	+4.9	1,743,841	1,589,283
vithout defense capital goods	375,356	368,944	387,409	+1.7	-4.8	+1.7	375,579	341,098	408,419	361,402	+3.9	2,967,363	2,740,727
urable goods industries	215,886	209,877	241,748	+2.9	-13.2	+9.2	210,460	185,540	257,269	204,162	+3.1	1,718,609	1,576,654
With unfilled orders	182,026	175,249	204,812	+3.9	-14.4	+10.6	176,378	160,656	217,787	166,472	+6.0	1,432,999	1,291,527
one, clay, and glass products	8,880	8,763	8,743	+1.3	+0.2	-1.6	9,260	8,689	9,270	9,265	-0.1	70,708	67,939
imary metals	15,603	15,597	15,991	0.0	-2.5	+0.8	15,381	14,206	16,221	15,558	-1.1	128,056	120,418
Blast furnaces, steel mills	5,708	5,687	5,920	+0.4	-3.9	+1.2	5,556	5,012	5,870	5,990	-7.2	48,287	47,021
Iron and steel foundries	1,484	1,535	1,556	-3.3	-1.3	-3.1	1,505	1,277	1,592	1,662	-9.4	12,343	11,902
Nonferrous and other primary metals	8,411	8,375	8,515	+0.4	-1.6	+1.3	8,320	7,917	8,759	7,906	+5.2	67,426	61,495
bricated metal products	20,613	20,249	20,538	+1.8	-1.4	-1.2	21,147	18,115	21,767	21,361	-1.0	164,717	163,146
lustrial machinery and equipment	46,224	45,820	43,612	+0.9	+5.1	+0.1	43,542	40,972	49,631	36,479	+19.4	344,231	300,785
Engines and turbines	3,355	3,993	4,546	-16.0	-12.2	+34.7	3,214	3,380	4,963	2,897	+10.9	25,060	22,574
Construction, mining and material handling equipment	3,918	3,859	4,062	+1.5	-5.0	+1.8	3,498	3,397	4,461	3,302	+5.9	32,356	30,508
Metalworking machinery	3,919	3,593	3,496	+9.1	+2.8	-5.7	3,734	2,956	3,744	3,592	+4.0	28,817	27,651
Computer and office equipment	16,231	15,020	13,808	+8.1	+8.8	-3.8	15,486	13,119	17,683	10,956	+41.3	108,636	88,753
ectronic and other lectrical equipment	39,178	38,150	47,067	+2.7	-18.9	-0.5	36,847	40,335	46,469	37,824	-2.6	323,621	276,181
Electrical transmission and distribution equipment and industrial apparatus	4,094	4,157	4,528	-1.5	-8.2	+7.0	4,045	3,836	4,864	4,436	-8.8	33,702	30,859
Electric lighting and wiring equipment	2,472	2,744	2,581	-9.9	+6.3	-5.1	2,442	2,318	2,762	2,463	-0.9	20,388	18,767
Communications equipment	9,961	10,258	13,335	-2.9	-23.1	+28.4	8,528	8,334	14,820	7,295	+16.9	79,308	62,871
Electronic components	16,575	15,182	21,091	+9.2	-28.0	-12.5	15,511	20,823	18,210	17,722	-12.5	144,261	120,019
nsportation equipment	49,225	46,161	68,467	+6.6	-32.6	+41.6	48,516	30,942	73,682	48,278	+0.5	399,950	367,706
Aircraft, missiles, space vehicles, and parts	14,493	9,932	30,100	+45.9	-67.0	178.1	13,346	8,132	32,715	9,845	+35.6	107,253	80,937
Shipbuilding and tanks	635	815	598	-22.1	+36.3	-55.6	617	741	741	537	+14.9	7,220	6,964
ruments and related products	15,366	14,662	16,657	+4.8	-12.0	+10.2	14,674	12,954	18,348	13,632	+7.6	119,010	111,621
earch and navigation equipment	2,913	2,877	4,134	+1.3	-30.4	+30.8	2,488	2,217	4,843	2,492	-0.2	24,497	23,784
Measuring and controlling devices	5,181	4,842	5,065	+7.0	-4.4	+6.4	5,120	4,220	5,509	4,042	+26.7	38,541	32,437
Medical instruments and supplies	4,771	4,530	5,096	+5.3	-11.1	+7.4	4,680	4,355	5,314	4,874	-4.0	37,117	37,717
other durable goods	20,797	20,475	20,673	+1.6	-1.0	-3.8	21,093	19,327	21,881	21,765	-3.1	168,316	168,908
ndurable goods industries	166,644	165,153	166,339	+0.9	-0.7	-0.1	170,678	159,926	173,973	160,907	+6.1	1,312,781	1,210,274
Vith unfilled orders	39,034	39,093	39,286	-0.2	-0.5	-1.4	40,081	38,681	41,049	39,950	+0.3	310,842	297,756

[p] Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, ch includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further ils on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), nufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99
All manufacturing industries	580,734	579,589	582,143	+0.2	-0.4	+4.3	582,740	584,134	578,103	525,024	+11.0
Manufacturing industries without defense capital goods	471,872	471,631	473,720	+0.1	-0.4	+2.2	474,656	475,651	468,237	433,866	+9.4
Durable goods industries	555,453	554,047	556,312	+0.3	-0.4	+4.5	556,485	557,196	551,712	498,535	+11.6
Stone, clay, and glass products	6,332	6,360	6,383	-0.4	-0.4	-1.1	6,267	6,368	6,405	5,985	+4.7
Primary metals	30,692	30,970	31,290	-0.9	-1.0	-0.3	30,496	31,045	31,301	31,804	-4.1
Blast furnaces, steel mills	11,642	11,868	12,213	-1.9	-2.8	-1.8	11,432	11,817	12,269	12,667	-9.7
Iron and steel foundries	5,093	5,066	5,001	+0.5	+1.3	+2.0	5,071	5,044	5,011	4,922	+3.0
Nonferrous and other primary metals	13,957	14,036	14,076	-0.6	-0.3	+0.2	13,993	14,184	14,021	14,215	-1.6
Fabricated metal products	25,267	25,179	25,314	+0.3	-0.5	-0.4	25,570	25,512	25,418	25,496	+0.3
Industrial machinery and equipment	92,103	90,095	88,460	+2.2	+1.8	+1.8	91,473	89,395	87,513	78,889	+16.0
Engines and turbines	29,718	29,094	27,816	+2.1	+4.6	+7.5	29,376	28,607	27,112	22,496	+30.6
Construction, mining and material handling equipment	8,576	8,622	8,763	-0.5	-1.6	+0.7	8,235	8,481	8,848	8,592	-4.2
Metalworking machinery	6,643	6,563	6,789	+1.2	-3.3	-3.5	6,643	6,563	6,789	7,010	-5.2
Computer and office equipment	9,808	8,802	8,913	+11.4	-1.2	-1.4	10,164	8,960	8,979	8,694	+16.9
Electronic and other electrical equipment	99,705	101,675	104,296	-1.9	-2.5	+5.8	100,570	103,378	99,037	73,728	+36.4
Electrical transmission and distribution equipment and industrial apparatus	7,542	7,600	7,618	-0.8	-0.2	+4.6	7,581	7,626	7,593	6,858	+10.5
Electric lighting and wiring equipment	5,246	5,384	5,309	-2.6	+1.4	-2.8	5,246	5,384	5,309	5,302	-1.1
Communications equipment	29,707	30,212	30,100	-1.7	+0.4	+12.3	28,577	29,382	29,637	17,748	+61.0
Electronic components	50,271	51,909	54,860	-3.2	-5.4	+5.0	52,190	54,582	50,197	38,130	+36.9
Transportation equipment	244,146	242,407	242,897	+0.7	-0.2	+7.2	244,731	243,584	244,055	227,404	+7.6
Aircraft, missiles, space vehicles, and parts	209,743	207,282	207,618	+1.2	-0.2	+9.3	210,276	208,493	209,031	192,289	+9.4
Shipbuilding and tanks	18,156	18,673	19,041	-2.8	-1.9	-2.6	18,174	18,708	19,089	18,682	-2.7
Instruments and related products	48,465	48,543	48,722	-0.2	-0.4	+2.4	48,342	48,647	48,827	46,532	+3.9
Search and navigation equipment	26,130	26,318	26,443	-0.7	-0.5	+3.5	25,949	26,462	26,936	25,547	+1.6
Measuring and controlling devices	10,734	10,582	10,482	+1.4	+1.0	-1.5	10,734	10,582	10,482	10,150	+5.8
Medical instruments and supplies	10,699	10,763	10,932	-0.6	-1.5	+4.1	10,759	10,727	10,552	9,960	+8.0
All other durable goods	8,743	8,818	8,950	-0.9	-1.5	-2.7	9,036	9,267	9,156	8,697	+3.9
Nondurable goods industries	25,281	25,542	25,831	-1.0	-1.1	-0.9	26,255	26,938	26,391	26,489	-0.9

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99
All manufacturing industries	487,586	486,303	482,041	+0.3	+0.9	+0.6	491,336	488,546	479,830	467,794	+5.0
Manufacturing industries											
with unfilled orders	321,528	319,845	317,278	+0.5	+0.8	+0.4	325,919	323,033	317,115	312,270	+4.4
without defense capital goods	468,993	467,704	462,733	+0.3	+1.1	+0.5	472,368	469,622	460,414	448,795	+5.3
Durable goods industries	305,262	303,724	301,119	+0.5	+0.9	+0.4	308,754	305,765	299,648	295,746	+4.4
With unfilled orders	279,073	277,548	275,276	+0.5	+0.8	+0.4	282,792	279,975	274,673	271,238	+4.3
Stone, clay, and glass products	10,224	10,152	10,079	+0.7	+0.7	+0.6	10,215	10,168	10,152	9,692	+5.4
Primary metals	25,169	25,211	25,029	-0.2	+0.7	+0.3	25,256	25,336	24,828	23,786	+6.2
Blast furnaces, steel mills	12,278	12,363	12,288	-0.7	+0.6	+1.0	12,356	12,474	12,106	11,411	+8.3
Iron and steel foundries	1,613	1,600	1,592	+0.8	+0.5	-0.2	1,585	1,584	1,617	1,568	+1.1
Nonferrous and other primary metals	11,278	11,248	11,149	+0.3	+0.9	-0.4	11,315	11,278	11,105	10,807	+4.7
Fabricated metal products	32,720	32,563	32,247	+0.5	+1.0	+0.6	32,763	32,761	32,559	31,049	+5.5
Industrial machinery and equipment	62,392	61,946	61,141	+0.7	+1.3	+0.6	63,285	62,006	60,446	60,718	+4.2
Engines and turbines	4,781	4,774	4,699	+0.1	+1.6	+1.7	5,007	4,871	4,543	4,684	+6.9
Farm and garden machinery	3,911	3,812	3,764	+2.6	+1.3	+0.5	3,606	3,459	3,507	3,298	+9.3
Construction, mining and material handling equipment	9,012	8,938	8,759	+0.8	+2.0	-0.3	8,909	8,823	8,760	8,740	+1.9
Metalworking machinery	8,374	8,323	8,289	+0.6	+0.4	+2.0	8,776	8,565	8,320	8,353	+5.1
Computer and office equipment	8,607	8,602	8,487	+0.1	+1.4	0.0	9,279	8,867	8,320	9,715	-4.5
Electronic and other electrical equipment	46,428	45,902	45,202	+1.1	+1.5	+0.8	47,240	46,473	45,217	42,028	+12.4
Electrical transmission and distribution equipment and industrial apparatus	5,683	5,562	5,490	+2.2	+1.3	+1.0	5,711	5,525	5,384	5,264	+8.5
Household appliances	2,699	2,680	2,634	+0.7	+1.7	+1.9	2,643	2,694	2,678	2,283	+15.8
Electric lighting and wiring equipment	4,157	4,090	4,099	+1.6	-0.2	+0.3	4,240	4,170	4,163	3,680	+15.2
Household audio and video equipment	1,183	1,144	1,172	+3.4	-2.4	+2.9	1,298	1,255	1,211	1,122	+15.7
Communications equipment	12,197	11,909	11,821	+2.4	+0.7	+1.3	12,463	11,979	11,659	11,112	+12.2
Electronic components	16,321	16,352	15,993	-0.2	+2.2	+0.9	16,534	16,514	16,042	14,814	+11.6
Transportation equipment	69,221	69,254	69,166	0.0	+0.1	-0.1	70,152	69,929	68,280	71,927	-2.5
Motor vehicles and parts	18,797	18,725	18,510	+0.4	+1.2	+0.3	19,179	19,075	18,064	17,955	+6.8
Aircraft, missiles, space vehicles, and parts	44,128	44,364	44,670	-0.5	-0.7	+0.5	44,580	44,624	44,229	47,669	-6.5
Shipbuilding and tanks	2,404	2,410	2,486	-0.2	-3.1	+0.2	2,395	2,396	2,516	2,278	+5.1
Instruments and related products	28,003	27,847	27,662	+0.6	+0.7	-0.2	28,603	28,232	27,712	27,591	+3.7
Search and navigation equipment	6,768	6,732	6,744	+0.5	-0.2	-0.7	6,943	6,917	6,759	6,974	-0.4
Measuring and controlling devices	9,137	8,977	8,806	+1.8	+1.9	+0.1	9,358	9,083	8,898	8,402	+11.4
Medical instruments and supplies	8,964	9,005	9,014	-0.5	-0.1	-0.5	9,108	9,089	8,965	9,008	+1.1
Photographic goods	2,401	2,401	2,378	0.0	+1.0	+0.5	2,457	2,408	2,370	2,454	+0.1
All other durable goods	31,105	30,849	30,593	+0.8	+0.8	+0.9	31,240	30,860	30,454	28,955	+7.9
Nondurable goods industries	182,324	182,579	180,922	-0.1	+0.9	+0.8	182,582	182,781	180,182	172,048	+6.1
With unfilled orders	42,455	42,297	42,002	+0.4	+0.7	+0.7	43,127	43,058	42,442	41,032	+5.1
Food and kindred products	38,600	38,917	39,057	-0.8	-0.4	-0.2	38,092	37,778	37,504	37,693	+1.1
Meat products	4,624	4,615	4,611	+0.2	+0.1	+0.5	4,524	4,629	4,692	4,251	+6.4
Dairy products	3,855	3,896	3,900	-1.1	-0.1	+0.4	3,916	4,028	3,966	3,979	-1.6
Beverages	8,797	8,789	8,800	+0.1	-0.1	+0.6	8,584	8,554	8,700	8,540	+0.5
All other foods, except fats and oils	19,828	20,094	20,192	-1.3	-0.5	-0.7	19,708	19,117	18,646	19,505	+1.0
Tobacco products	5,310	5,350	5,381	-0.7	-0.6	+1.7	4,955	4,838	4,936	4,805	+3.1
Textile mill products	10,480	10,434	10,391	+0.4	+0.4	+0.8	10,569	10,590	10,507	10,086	+4.8
Broadwoven fabrics and other textiles	6,065	6,069	6,072	-0.1	0.0	-0.1	6,087	6,119	6,084	6,139	-0.8
Yarn and allied products	17,334	17,308	16,999	+0.2	+1.8	+0.7	17,327	17,321	17,010	15,887	+9.1
Pulp, paper, and paperboard mill products	6,815	6,816	6,688	0.0	+1.9	+1.6	6,802	6,785	6,669	6,300	+8.0
Paperboard containers and boxes	4,518	4,543	4,501	-0.6	+0.9	-0.1	4,516	4,564	4,484	4,041	+11.8
Miscellaneous converted paper products	6,001	5,949	5,810	+0.9	+2.4	+0.3	6,009	5,972	5,857	5,546	+8.3
Chemicals and allied products	50,364	50,335	49,230	+0.1	+2.2	+1.6	50,512	50,689	49,252	46,588	+8.4
Industrial chemicals	20,544	20,764	20,506	-1.1	+1.3	+2.2	20,590	20,864	20,381	19,218	+7.1
Drugs, soaps, and toiletries	23,930	23,679	22,772	+1.1	+4.0	+1.4	24,317	24,164	23,114	21,787	+11.6
Petroleum and coal products	13,985	14,174	14,104	-1.3	+0.5	+2.0	14,156	14,375	14,338	11,728	+20.7
Rubber and plastics products	18,606	18,577	18,376	+0.2	+1.1	+0.5	18,442	18,588	18,358	17,085	+7.9
All other nondurable goods	27,645	27,484	27,384	+0.6	+0.4	+0.5	28,529	28,602	28,277	28,176	+1.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	381,385	377,584	384,208	+1.0	-1.7	+0.8	382,532	339,435	412,589	363,407	+5.3	2,981,341	2,774,941
Market categories :													
Automotive equipment	15,753	16,250	17,401	-3.1	-6.6	+4.1	15,940	9,947	18,678	17,352	-8.1	130,591	127,958
Home goods and apparel	20,986	20,708	20,785	+1.3	-0.4	-0.9	22,096	19,277	21,567	21,249	+4.0	164,717	156,276
Consumer staples	80,950	80,123	80,506	+1.0	-0.5	+0.1	83,077	77,450	83,721	76,810	+8.2	628,510	574,145
Machinery and equipment	75,384	73,063	75,016	+3.2	-2.6	-0.4	71,717	61,346	85,476	66,796	+7.4	571,876	529,389
Business supplies	28,506	28,409	28,471	+0.3	-0.2	+0.9	28,843	27,026	29,838	27,108	+6.4	222,466	208,171
Construction materials and supplies	23,152	22,950	23,359	+0.9	-1.8	-1.2	24,296	22,386	25,186	24,830	-2.2	186,999	182,951
Defense products	6,550	6,718	7,171	-2.5	-6.3	+10.0	6,258	5,967	7,792	6,454	-3.0	51,571	52,752
Other materials, supplies and and intermediate products	130,104	129,363	131,499	+0.6	-1.6	+1.7	130,305	116,036	140,331	122,808	+6.1	1,024,611	943,299
Durable goods industries :													
Nondefense capital goods [3]	63,415	60,773	61,938	+4.3	-1.9	-1.0	59,669	53,390	72,107	53,421	+11.7	470,835	424,450
Excluding aircraft and parts	54,581	53,971	53,548	+1.1	+0.8	+0.8	51,146	47,669	62,846	44,621	+14.6	409,503	358,842
Defense capital goods [4]	6,270	6,551	7,050	-4.3	-7.1	+13.2	5,958	5,751	7,710	6,213	-4.1	49,583	50,756
Durables excluding capital goods	144,795	144,818	148,657	0.0	-2.6	+1.7	145,544	120,915	159,016	143,589	+1.4	1,149,485	1,093,004
Miscellaneous series :													
Producers' durable equipment	139,348	137,539	141,232	+1.3	-2.6	+0.8	135,829	111,448	157,243	131,678	+3.2	1,082,516	1,023,452
Household durable goods	11,209	11,212	11,161	0.0	+0.5	-0.7	11,165	9,792	11,702	10,707	+4.3	87,273	80,790
Information technology industries	33,556	32,680	32,059	+2.7	+1.9	-0.9	31,334	28,182	38,745	25,409	+23.3	243,103	203,971
Health care equipment and products	14,097	13,717	13,737	+2.8	-0.1	-1.9	13,974	12,564	14,900	13,009	+7.4	106,808	101,529
NEW ORDERS													
All manufacturing industries	382,530	375,030	408,087	+2.0	-8.1	+5.2	381,138	345,466	431,242	365,069	+4.4	3,031,390	2,786,928
Market categories :													
Automotive equipment	15,765	16,273	17,306	-3.1	-6.0	+3.3	16,003	10,011	18,542	17,422	-8.1	130,639	128,106
Home goods and apparel	21,034	20,632	20,486	+1.9	+0.7	-2.8	21,969	19,417	20,986	21,071	+4.3	165,341	157,080
Consumer staples	80,866	79,967	80,392	+1.1	-0.5	-0.1	82,901	77,743	83,987	77,047	+7.6	628,797	575,264
Machinery and equipment	76,989	74,815	83,800	+2.9	-10.7	+13.4	73,139	63,595	92,909	65,412	+11.8	591,291	522,865
Business supplies	28,479	28,291	28,297	+0.7	0.0	+0.2	28,780	27,157	29,711	27,393	+5.1	222,959	209,464
Construction materials and supplies	23,048	23,014	23,102	+0.1	-0.4	-2.6	24,090	22,471	24,892	24,637	-2.2	187,676	183,716
Defense products	7,329	6,242	20,696	+17.4	-69.8	176.1	5,797	4,735	22,812	3,950	+46.8	64,977	48,204
Other materials, supplies and and intermediate products	129,020	125,796	134,008	+2.6	-6.1	-1.7	128,459	120,337	137,403	128,137	+0.3	1,039,710	962,229
Durable goods industries :													
Nondefense capital goods [3]	65,487	62,283	70,943	+5.1	-12.2	+16.6	61,710	55,149	79,963	52,455	+17.6	489,379	417,525
Excluding aircraft and parts	55,331	55,506	57,636	-0.3	-3.7	+7.5	51,865	49,453	65,785	44,374	+16.9	423,081	361,502
Defense capital goods [4]	7,174	6,086	20,678	+17.9	-70.6	189.2	5,559	4,368	22,823	3,667	+51.6	64,027	46,201
Durables excluding capital goods	143,225	141,508	150,127	+1.2	-5.7	-2.1	143,191	126,023	154,483	148,040	-3.3	1,165,203	1,112,928
Miscellaneous series :													
Producers' durable equipment	141,346	139,318	148,478	+1.5	-6.2	+6.6	138,010	114,427	162,328	130,412	+5.8	1,104,414	1,016,712
Household durable goods	11,257	11,181	10,905	+0.7	+2.5	-3.3	11,154	10,031	11,185	10,575	+5.5	87,546	81,257
Information technology industries	33,783	32,484	34,793	+4.0	-6.6	+8.4	31,765	28,091	41,194	24,857	+27.8	247,790	205,449
Health care equipment and products	14,032	13,547	14,165	+3.6	-4.4	+0.8	14,005	12,739	14,915	13,354	+4.9	107,541	101,908

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 2000[p]	July 2000[r]	June 2000	July-Aug.	June-July	May-June	Aug. 2000[p]	July 2000[r]	June 2000	Aug. 1999	Aug. 00/99
UNFILLED ORDERS											
All manufacturing industries	580,734	579,589	582,143	+0.2	-0.4	+4.3	582,740	584,134	578,103	525,024	+11.0
Market categories :											
Automotive equipment	2,508	2,496	2,472	+0.5	+1.0	-3.7	2,533	2,471	2,407	2,553	-0.8
Home goods and apparel	9,155	9,107	9,183	+0.5	-0.8	-3.2	9,231	9,358	9,219	9,115	+1.3
Consumer staples	2,944	3,028	3,184	-2.8	-4.9	-3.5	3,352	3,529	3,236	3,382	-0.9
Machinery and equipment	258,560	256,956	255,204	+0.6	+0.7	+3.6	258,608	257,186	254,937	234,054	+10.5
Business supplies	7,293	7,321	7,439	-0.4	-1.6	-2.3	7,686	7,750	7,619	7,813	-1.6
Construction materials and supplies	17,969	18,073	18,009	-0.6	+0.4	-1.4	18,044	18,250	18,165	18,004	+0.2
Defense products	103,263	102,485	102,961	+0.8	-0.5	+15.1	102,489	102,950	104,182	86,367	+18.7
Other materials, supplies and and intermediate products	179,042	180,123	183,691	-0.6	-1.9	+1.4	180,797	182,640	178,338	163,736	+10.4
urable goods industries :											
Nondefense capital goods [3]	275,639	273,567	272,057	+0.8	+0.6	+3.4	275,139	273,098	271,339	250,165	+10.0
Excluding aircraft and parts	129,296	128,546	127,011	+0.6	+1.2	+3.3	128,796	128,077	126,293	109,245	+17.9
Defense capital goods [4]	108,862	107,958	108,423	+0.8	-0.4	+14.4	108,084	108,483	109,866	91,158	+18.6
Durables excluding capital goods	170,952	172,522	175,832	-0.9	-1.9	+0.8	173,262	175,615	170,507	157,212	+10.2
iscellaneous series :											
Producers' durable equipment	298,214	296,216	294,437	+0.7	+0.6	+2.5	298,424	296,243	293,264	272,815	+9.4
Household durable goods	5,688	5,640	5,671	+0.9	-0.5	-4.3	5,719	5,730	5,491	5,628	+1.6
Information technology industries	49,185	48,958	49,154	+0.5	-0.4	+5.9	49,534	49,103	49,194	40,594	+22.0
Health care equipment and products	10,745	10,809	10,979	-0.6	-1.5	+4 1	10,807	10,776	10,601	10,004	+8.0
TOTAL INVENTORIES											
All manufacturing industries	487,586	486,303	482,041	+0.3	+0.9	+0.6	491,336	488,546	479,830	467,794	+5.0
arket categories :											
Automotive equipment	9,499	9,447	9,193	+0.6	+2.8	0.0	9,780	9,674	9,016	9,023	+8.4
Home goods and apparel	33,282	32,906	32,491	+1.1	+1.3	+1.2	33,996	33,864	33,352	32,030	+6.1
Consumer staples	79,650	79,783	78,923	-0.2	+1.1	+0.7	79,461	79,004	77,711	74,512	+6.6
Machinery and equipment	117,333	116,504	115,334	+0.7	+1.0	0.0	118,877	116,883	113,971	117,242	+1.4
Business supplies	29,730	29,572	29,476	+0.5	+0.3	+0.8	30,112	29,899	29,603	28,515	+5.6
Construction materials and supplies	32,164	32,021	31,856	+0.4	+0.5	+0.6	32,238	32,184	31,991	29,662	+8.7
Defense products	18,084	18,188	18,761	-0.6	-3.1	+1.9	18,392	18,519	18,870	18,589	-1.1
Other materials, supplies and and intermediate products	167,844	167,882	166,007	0.0	+1.1	+0.6	168,480	168,519	165,316	158,221	+6.5
rable goods industries :											
Nondefense capital goods [3]	107,944	107,242	106,155	+0.7	+1.0	+0.1	109,676	107,817	105,046	109,022	+0.6
Excluding aircraft and parts	75,819	74,891	74,072	+1.2	+1.1	+0.5	77,377	75,475	73,465	73,773	+4.9
Defense capital goods [4]	18,593	18,599	19,308	0.0	-3.7	+2.4	18,968	18,924	19,416	18,999	-0.2
Durables excluding capital goods	178,725	177,883	175,656	+0.5	+1.3	+0.4	180,110	179,024	175,186	167,725	+7.4
scellaneous series :											
Producers' durable equipment	196,734	195,077	192,760	+0.8	+1.2	+0.3	199,372	196,451	191,599	191,376	+4.2
Household durable goods	17,698	17,407	17,175	+1.7	+1.4	+1.8	18,055	17,750	17,390	16,511	+9.4
nformation technology industries	35,153	34,682	34,258	+1.4	+1.2	+0.6	36,432	35,239	34,006	34,575	+5.4
Health care equipment and products	21,907	21,814	21,340	+0.4	+2.2	+0.6	22,256	22,156	21,471	20,800	+7.0

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug 2000[p]	July 2000[r]	June 2000	July-Aug	June-July	May-June	Aug 2000[p]	July 2000[r]	June 2000	Aug 1999	Aug 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	163,600	162,798	161,655	+0.5	+0.7	+0.3	163,939	163,402	160,632	153,694	+6.7
Durable goods industries	99,362	98,487	97,663	+0.9	+0.8	+0.4	100,150	99,106	96,721	93,290	+7.4
Stone, clay, and glass products	3,412	3,391	3,400	+0.6	-0.3	+1.3	3,447	3,380	3,389	3,276	+5.2
Primary metals	8,108	8,112	8,049	0.0	+0.8	+0.3	8,170	8,138	7,903	7,468	+9.4
Fabricated metal products	11,226	11,251	11,105	-0.2	+1.3	-0.3	11,270	11,304	11,102	10,618	+6.1
Industrial machinery and equipment	21,499	21,214	21,319	+1.3	-0.5	+2.0	21,844	21,329	21,259	20,159	+8.4
Electronic and other electrical equipment	19,082	18,670	18,271	+2.2	+2.2	+0.3	19,322	18,957	18,109	16,367	+18.1
Transportation equipment	15,101	15,075	14,719	+0.2	+2.4	-2.1	15,030	15,341	14,549	15,205	-1.2
Instruments and related products	9,365	9,397	9,426	-0.3	-0.3	+2.3	9,512	9,478	9,469	9,281	+2.5
Lumber, furniture and miscellaneous durable goods	11,569	11,377	11,374	+1.7	0.0	0.0	11,555	11,179	10,941	10,916	+5.9
Nondurable goods industries	64,238	64,311	63,992	-0.1	+0.5	+0.2	63,789	64,296	63,911	60,404	+5.6
Food and kindred products	11,430	11,426	11,471	0.0	-0.4	-0.5	11,138	11,246	11,385	11,214	-0.7
Tobacco products	4,546	4,566	4,568	-0.4	0.0	+0.5	4,330	4,230	4,278	4,333	-0.1
Textile mill products	3,062	3,024	2,928	+1.3	+3.3	+1.2	3,082	3,078	2,946	2,873	+7.3
Paper and allied products	8,082	8,149	8,072	-0.8	+1.0	-0.9	8,044	8,119	8,020	7,679	+4.8
Chemicals and allied products	16,094	16,125	16,005	-0.2	+0.7	+0.4	16,058	16,281	16,119	15,261	+5.2
Petroleum and coal products	4,218	4,257	4,368	-0.9	-2.5	+0.4	4,190	4,280	4,467	3,270	+28.1
Rubber and plastics products	7,710	7,703	7,636	+0.1	+0.9	+1.6	7,644	7,761	7,588	6,975	+9.6
Apparel, printing and publishing and leather goods	9,096	9,061	8,944	+0.4	+1.3	-0.1	9,303	9,301	9,108	8,799	+5.7
WORK IN PROCESS											
All manufacturing industries	144,786	145,446	145,323	-0.5	+0.1	+0.2	146,472	146,428	144,146	147,284	-0.6
Durable goods industries	112,752	113,412	113,876	-0.6	-0.4	-0.3	114,516	114,353	112,992	117,387	-2.4
Stone, clay, and glass products	1,660	1,645	1,632	+0.9	+0.8	-0.5	1,684	1,660	1,653	1,535	+9.7
Primary metals	8,781	8,737	8,721	+0.5	+0.2	+1.2	8,840	8,857	8,689	8,185	+8.0
Fabricated metal products	9,321	9,338	9,355	-0.2	-0.2	+0.9	9,424	9,447	9,403	9,083	+3.8
Industrial machinery and equipment	20,496	20,832	20,693	-1.6	+0.7	-0.6	20,922	21,013	20,471	22,067	-5.2
Electronic and other electrical equipment	14,009	14,090	14,096	-0.6	0.0	+0.8	14,273	14,247	14,303	14,366	-0.6
Transportation equipment	42,243	42,602	43,281	-0.8	-1.6	-0.8	42,747	42,659	42,341	46,239	-7.6
Instruments and related products	10,333	10,231	10,103	+1.0	+1.3	-2.1	10,627	10,463	10,107	10,276	+3.4
Lumber, furniture and miscellaneous durable goods	5,909	5,937	5,995	-0.5	-1.0	+0.4	5,999	6,007	6,025	5,636	+6.4
Nondurable goods industries	32,034	32,034	31,447	0.0	+1.9	+1.9	31,956	32,075	31,154	29,897	+6.9
Food and kindred products	6,464	6,497	6,557	-0.5	-0.9	-0.3	5,925	5,973	6,102	5,637	+5.1
Tobacco products	83	84	84	-1.2	0.0	+1.2	74	74	71	76	-2.6
Textile mill products	2,500	2,473	2,530	+1.1	-2.3	-0.8	2,506	2,485	2,516	2,429	+3.2
Paper and allied products	1,869	1,842	1,812	+1.5	+1.7	+3.7	1,882	1,850	1,838	1,671	+12.6
Chemicals and allied products	9,761	9,781	9,120	-0.2	+7.2	+3.6	9,941	10,068	9,242	8,953	+11.0
Petroleum and coal products	3,357	3,412	3,356	-1.6	+1.7	+4.1	3,408	3,401	3,344	2,905	+17.3
Rubber and plastics products	2,298	2,307	2,301	-0.4	+0.3	-0.2	2,299	2,287	2,253	2,258	+1.8
Apparel, printing and publishing and leather goods	5,702	5,638	5,687	+1.1	-0.9	+2.0	5,921	5,937	5,788	5,968	-0.8
FINISHED GOODS											
All manufacturing industries	179,200	178,059	175,063	+0.6	+1.7	+1.1	180,925	178,716	175,052	166,816	+8.5
Durable goods industries	93,148	91,825	89,580	+1.4	+2.5	+1.3	94,088	92,306	89,935	85,069	+10.6
Stone, clay, and glass products	5,152	5,116	5,047	+0.7	+1.4	+0.6	5,084	5,128	5,110	4,881	+4.2
Primary metals	8,280	8,362	8,259	-1.0	+1.2	-0.6	8,246	8,341	8,236	8,133	+1.4
Fabricated metal products	12,173	11,974	11,787	+1.7	+1.6	+1.3	12,069	12,010	12,054	11,348	+6.4
Industrial machinery and equipment	20,397	19,900	19,129	+2.5	+4.0	+0.2	20,519	19,664	18,716	18,492	+11.0
Electronic and other electrical equipment	13,337	13,142	12,835	+1.5	+2.4	+1.5	13,645	13,269	12,805	11,295	+20.8
Transportation equipment	11,877	11,577	11,166	+2.6	+3.7	-5.9	12,375	11,929	11,390	10,483	+18.0
Instruments and related products	8,305	8,219	8,133	+1.0	+1.1	-0.8	8,464	8,291	8,136	8,034	+5.4
Lumber, furniture and miscellaneous durable goods	13,627	13,535	13,224	+0.7	+2.4	+1.8	13,686	13,674	13,488	12,403	+10.3
Nondurable goods industries	86,052	86,234	85,483	0.2	+0.9	+0.9	86,837	86,410	85,117	81,747	+6.2
Food and kindred products	20,706	20,994	21,029	-1.4	-0.2	0.0	21,029	20,559	20,017	20,842	+0.9
Tobacco products	681	700	729	-2.7	-4.0	+9.6	551	534	587	396	+39.1
Textile mill products	4,918	4,937	4,933	-0.4	+0.1	+1.4	4,981	5,027	5,045	4,784	+4.1
Paper and allied products	7,383	7,317	7,115	+0.9	+2.8	+1.8	7,401	7,352	7,152	6,537	+13.2
Chemicals and allied products	24,509	24,429	24,105	0.3	+1.3	+1.6	24,513	24,340	23,891	22,374	+9.6
Petroleum and coal products	6,410	6,505	6,380	-1.5	+2.0	+1.9	6,558	6,694	6,527	5,553	+18.1
Rubber and plastics products	8,598	8,567	8,439	+0.4	+1.5	-0.2	8,499	8,540	8,517	7,852	+8.2
Apparel, printing and publishing and leather goods	12,847	12,788	12,753	+0.5	+0.3	+0.3	13,305	13,364	13,381	13,409	-0.8

[p] Preliminary [r] Revised

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 2000[p]	July 2000[r]	June 2000	May 2000	Aug. 2000[p]	July 2000[r]	June 2000	May 2000
All manufacturing industries	1.28	1.29	1.25	1.26	2.64	2.67	2.64	2.56
Durable goods industries	1.42	1.43	1.38	1.40	3.08	3.12	3.08	2.98
Stone, clay, and glass products	1.15	1.16	1.14	1.12	0.74	0.75	0.75	0.75
Primary metals	1.58	1.58	1.56	1.56	1.93	1.95	1.94	1.96
Fabricated metal products	1.59	1.60	1.56	1.54	1.30	1.31	1.30	1.30
Industrial machinery and equipment	1.41	1.40	1.45	1.43	2.19	2.14	2.21	2.15
Electronic and other electrical equipment	1.13	1.13	1.09	1.11	2.42	2.49	2.52	2.44
Transportation equipment	1.46	1.48	1.32	1.39	9.33	9.91	8.63	8.42
Instruments and related products	1.81	1.88	1.78	1.85	3.14	3.27	3.14	3.18
Nondurable goods industries	1.09	1.10	1.09	1.08	0.64	0.65	0.65	0.66
Food and kindred products	0.90	0.92	0.92	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.15	1.19	1.25	1.13	(X)	(X)	(X)	(X)
Textile mill products	1.63	1.60	1.59	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.19	1.17	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.38	1.34	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products	0.71	0.72	0.69	0.73	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.29	1.25	1.24	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 2000	Aug.[2] 1995-1999	Aug. 1999-July 2000	Aug.[1] 2000	Aug.[2] 1995-1999	Aug. 1999-July 2000	Aug.[1] 2000	Aug.[2] 1995-1999	Aug. 1999-July 2000	Aug.[1] 2000	Aug.[2] 1995-1999	Aug. 1999-July 2000
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.4	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.2	0.2	0.0	0.2	0.6	0.0	0.0	0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.3	0.4	(X)	0.7	0.3	(X)	0.5	0.3	(X)	0.3	0.6
Primary metals	0.3	0.3	0.3	0.2	1.0	0.8	-0.1	0.4	0.3	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.3	(X)	0.4	0.4	(X)	0.3	0.3	(X)	0.2	0.1
Industrial machinery and equipment	-0.5	0.3	0.5	-0.6	0.2	0.7	0.1	0.1	0.3	(X)	0.2	0.2
Electronic and other electrical equipment	-0.1	0.5	0.4	-0.1	0.8	1.7	0.0	0.3	0.7	(X)	0.1	0.2
Transportation equipment	0.1	0.7	0.5	0.1	1.3	1.3	0.0	0.1	0.2	(X)	0.0	0.1
Instruments and related products	(X)	0.3	0.6	(X)	0.6	1.2	(X)	0.2	0.3	(X)	0.0	0.1
Nondurable goods industries	(X)	0.0	0.2	(X)	0.0	0.1	(X)	0.2	0.1	(X)	0.0	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.8
Rubber and plastics products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.5	0.2	0.3	-0.5	0.3	0.7	0.1	0.1	0.1	(X)	0.1	0.1
Defense	-0.4	0.4	0.7	-0.3	4.9	5.4	0.0	0.3	0.4	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

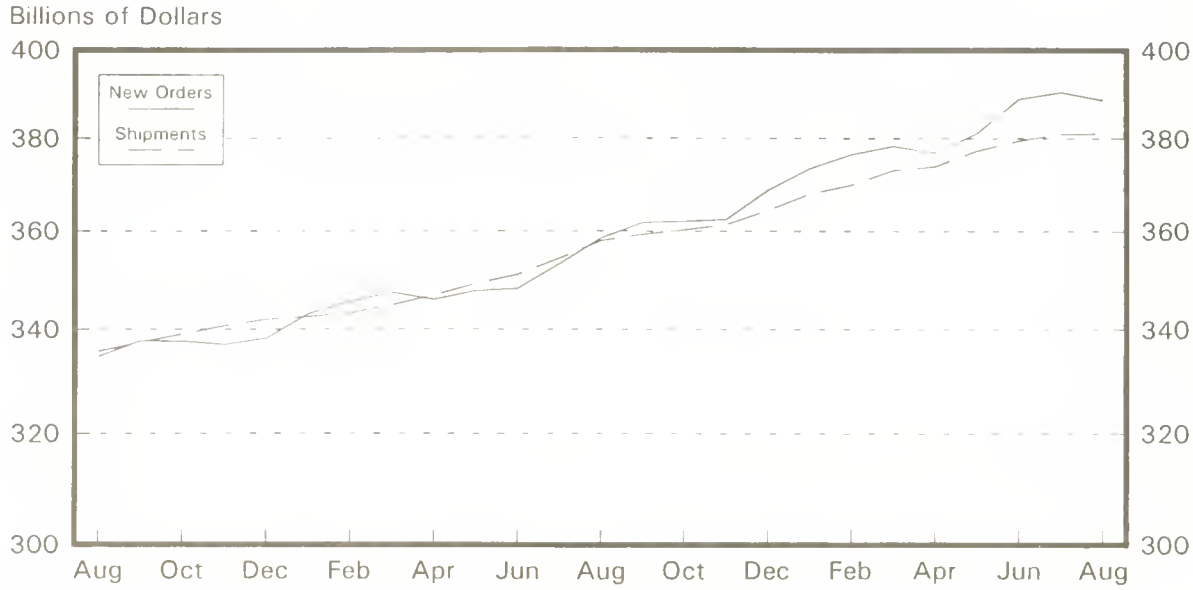
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

Total Manufacturing

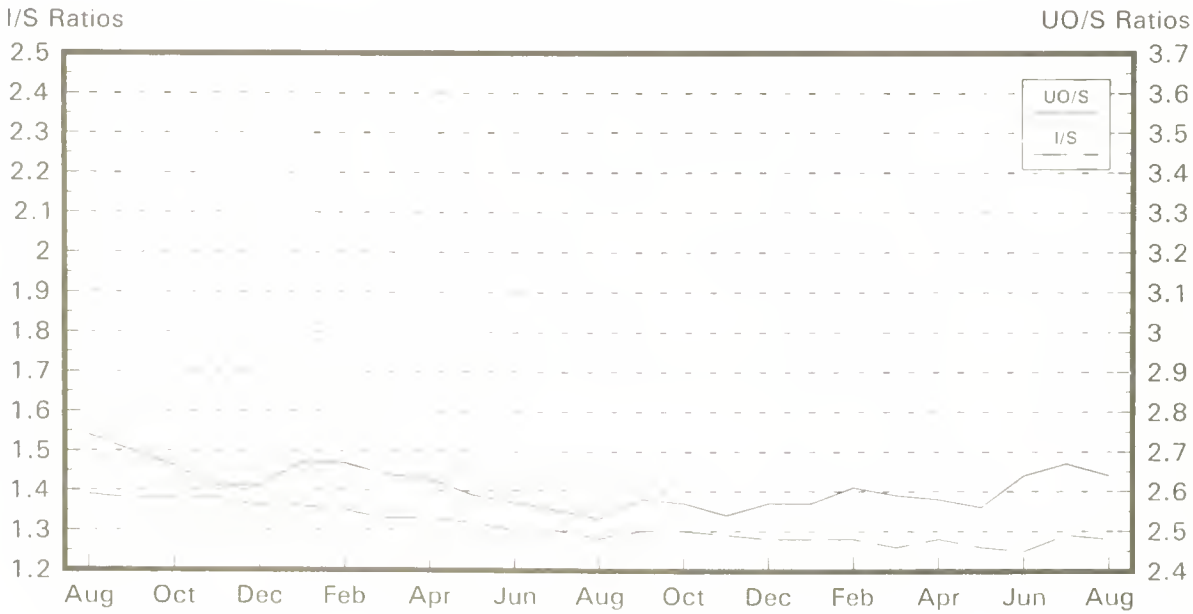
New Orders and Shipments
Three Month Moving Averages



Aug. 1998 - Aug. 2000

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

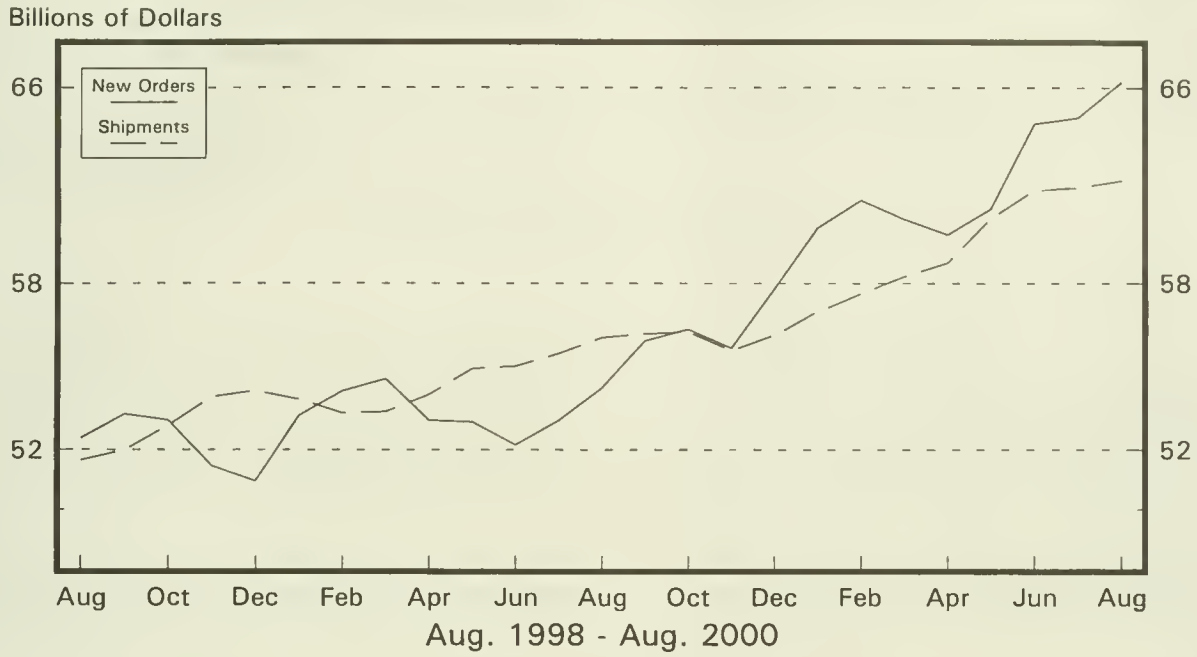


Aug. 1998 - Aug. 2000

Note: All Charts based on seasonally adjusted current dollars.

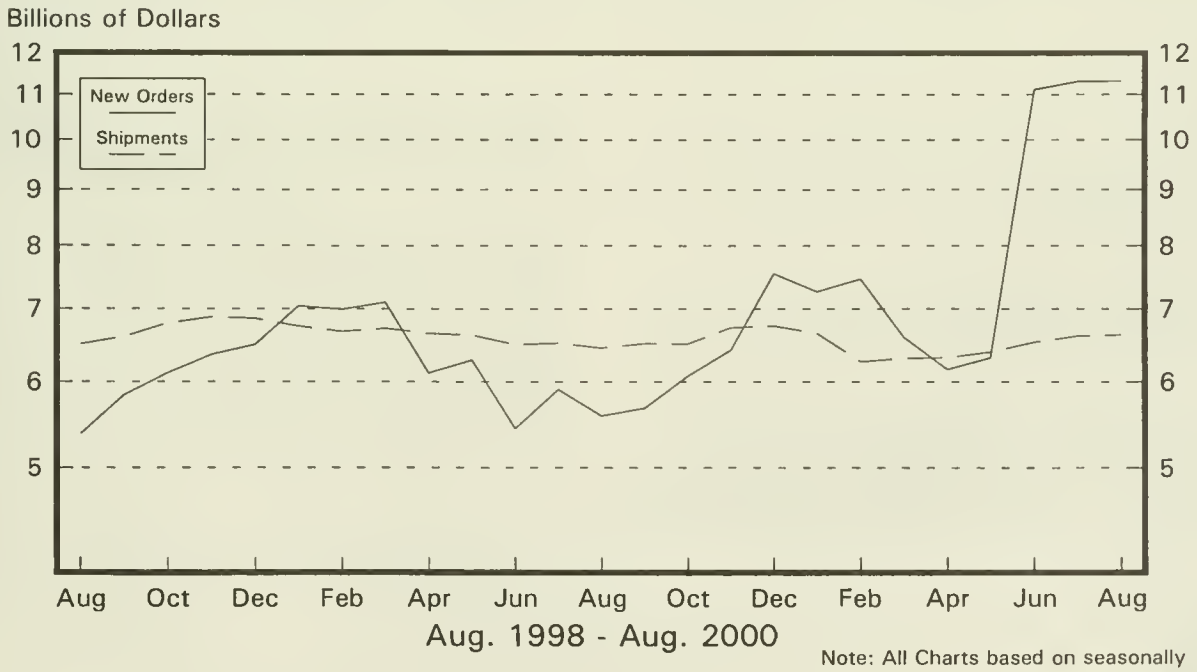
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

September 2000
M3-1-(00)-09
For Wire Transmissions 10:00 a.m. E.S.T. November 3, 2000

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased $6.2 billion or 1.6 percent to $388.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.0 percent August increase and is the fourth increase in the last five months. Excluding transportation, new orders increased 0.7 percent. Year to date, new orders are 8.7 percent above the same period a year ago; new orders for the third quarter are 1.8 percent below the second quarter.

Shipments decreased $0.4 billion or 0.1 percent to $380.4 billion, following a 0.8 percent August increase. Year to date, shipments are 7.3 percent above the same period a year ago; shipments for the third quarter are up slightly from the second quarter.

Unfilled orders increased $8.2 billion or 1.4 percent to $589.4 billion, following a 0.3 percent August increase. This is the thirteenth increase in the last fifteen months. The unfilled orders-to-shipments ratio was 2.69, up from 2.65 in August.

Inventories increased $0.8 billion or 0.2 percent to $488.5 billion, following a 0.3 percent August increase. This is the sixth consecutive increase. The inventories-to-shipments ratio was 1.28, unchanged from August.

New Orders

New orders for manufactured durable goods in September increased $6.5 billion or 3.0 percent to $222.4 billion, revised from the previously published 1.8 percent increase. This is the fourth increase in the last five months.

Electronic and other electrical equipment had the largest increase, $5.1 billion or 12.9 percent to $45.0 billion, due to electronic components and communication equipment. Transportation equipment, up four of the last five months, increased $3.8 billion or 7.6 percent to $53.2 billion; led by aircraft and parts, all components increased. Primary metals increased $0.6 billion or 3.8 percent to $16.0 billion. Industrial machinery and equipment decreased $2.3 billion or 5.1 percent to $43.3 billion. This is the largest decrease since October 1998.

New orders for nondurable goods decreased $0.3 billion or 0.2 percent to $166.2 billion.

Shipments

Shipments of durable goods in September increased $0.3 billion or 0.2 percent to $214.4 billion, unrevised from the previously published 0.2 percent increase. This is the fourth increase in the last five months.

Transportation equipment had the largest increase, $1.0 billion or 2.0 percent to $48.6 billion, led by motor vehicles and parts. This is the fourth increase in the last five months. Electronic and other electrical equipment, up six of the last seven months, increased $0.6 billion or 1.6 percent to $41.8 billion. Industrial machinery and equipment, down four of the last five months, decreased $0.5 billion or 1.2 percent to $43.1 billion.

Shipments of nondurable goods decreased $0.7 billion or 0.4 percent to $166.0 billion. Chemicals and allied products had the largest decrease, $0.5 billion or 1.3 percent to $36.6 billion.

Unfilled Orders

Unfilled orders for durable goods in September increased $8.0 billion or 1.4 percent to $563.9 billion. This is the thirteenth increase in the last fifteen months.

Transportation equipment had the largest increase, $4.6 billion or 1.9 percent to $248.8 billion, due to aircraft and parts. Electronic and other electrical equipment increased $3.2 billion or 3.2 percent to $103.5 billion.

Inventories

Inventories of durable goods in September increased $0.3 billion or 0.1 percent to $305.4 billion. This is the twelfth increase in the last thirteen months.

Industrial machinery and equipment had the largest increase, $0.2 billion or 0.3 percent to $62.5 billion. This is the sixth consecutive increase.

Inventories of nondurable goods, up fourteen of the last fifteen months, increased $0.5 billion or 0.3 percent to $183.0 billion. Chemicals and allied products, up twelve consecutive months, had the largest increase, $0.5 billion or 1.0 percent to $50.9 billion.

By stage of fabrication, September finished goods increased 0.3 percent in durables and 0.7 percent in nondurables. Work in process decreased 0.1 percent in durables and 0.6 percent in nondurables. Materials and supplies increased slightly in durables and 0.2 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for October is scheduled for November 28, 2000 at 8:30 a.m. and the full report on December 5, 2000 at 10:00 a.m. For sale by the Superintendent of Documents, U.S Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www.stat-usa.gov.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Sept. 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept. 1999	Sept. 00/99	2000[p]	1999
All manufacturing industries	380,389	380,780	377,584	-0.1	+0.8	-1.7	406,602	382,021	339,435	384,195	+5.8	3,387,432	3,159,136
Manufacturing industries with unfilled orders	218,747	219,279	216,896	-0.2	+1.1	-1.5	237,595	217,055	193,306	221,109	+7.5	1,930,589	1,798,405
without defense capital goods	374,043	374,527	371,033	-0.1	+0.9	-1.6	399,902	376,085	333,684	377,344	+6.0	3,331,171	3,101,529
Durable goods industries	214,359	214,018	212,142	+0.2	+0.9	-2.5	232,851	210,451	180,056	219,306	+6.2	1,902,034	1,787,516
With unfilled orders	179,487	179,956	177,514	-0.3	+1.4	-1.8	196,144	176,261	155,172	181,172	+8.3	1,579,609	1,464,255
Stone, clay, and glass products	8,739	8,867	8,786	-1.4	+0.9	-0.3	9,160	9,377	8,726	9,456	-3.1	79,854	77,481
Primary metals	15,754	15,842	15,917	-0.6	-0.5	-1.1	16,259	15,900	14,462	15,852	+2.6	144,910	133,313
Blast furnaces, steel mills	5,710	5,925	6,032	-3.6	-1.8	-1.8	5,774	5,971	5,464	5,949	-2.9	55,292	51,338
Iron and steel foundries	1,407	1,431	1,470	-1.7	-2.7	+0.9	1,472	1,452	1,244	1,634	-9.9	13,382	13,966
Nonferrous and other primary metals	8,637	8,486	8,415	+1.8	+0.8	-0.9	9,013	8,477	7,754	8,269	+9.0	76,236	68,009
Fabricated metal products	20,260	20,545	20,384	-1.4	+0.8	-1.3	21,299	21,222	18,021	21,576	-1.3	185,327	184,660
Industrial machinery and equipment	43,085	43,617	44,185	-1.2	-1.3	+5.0	47,325	40,645	39,090	41,716	+13.4	380,491	338,053
Engines and turbines	2,634	2,728	2,715	-3.4	+0.5	+4.2	2,902	2,479	1,885	3,026	-4.1	23,418	21,829
Farm and garden machinery	2,089	2,098	2,139	-0.4	-1.9	+4.6	1,846	1,690	1,775	1,550	+19.1	19,964	17,793
Construction, mining and material handling equipment	3,842	3,898	4,000	-1.4	-2.6	-0.1	3,849	3,685	3,764	3,868	-0.5	36,490	35,417
Metalworking machinery	3,859	3,890	3,819	-0.8	+1.9	+2.1	4,445	3,723	3,182	4,352	+2.1	33,178	31,439
Computer and office equipment	14,606	14,646	15,131	-0.3	-3.2	+8.6	17,722	13,407	13,138	13,835	+28.1	124,000	101,835
Electronic and other electrical equipment	41,823	41,176	40,771	+1.6	+1.0	-1.3	47,856	39,559	35,994	40,421	+18.4	354,498	300,680
Electrical transmission and distribution equipment and industrial apparatus	4,196	4,166	4,175	+0.7	-0.2	-0.4	4,781	4,101	3,803	4,499	+6.3	37,809	34,681
Household appliances	2,416	2,347	2,294	+2.9	+2.3	-4.6	2,549	2,318	2,124	2,344	+8.7	21,891	21,284
Electric lighting and wiring equipment	2,590	2,595	2,669	-0.2	-2.8	-2.3	2,900	2,573	2,243	2,871	+1.0	23,067	21,358
Household audio and video equipment	1,074	1,136	1,228	-5.5	-7.5	-0.2	1,237	1,197	1,156	1,278	-3.2	10,080	9,134
Communications equipment	10,728	10,391	10,146	+3.2	+2.4	+1.1	12,815	9,129	8,589	10,521	+21.8	88,965	72,701
Electronic components	18,739	18,338	18,133	+2.2	+1.1	-1.9	21,153	18,019	16,438	16,134	+31.1	153,814	121,678
Transportation equipment	48,625	47,649	46,651	+2.0	+2.1	-10.7	51,907	47,448	31,413	51,593	+0.6	433,587	434,479
Motor vehicles and parts	32,677	31,994	32,990	+2.1	-3.0	-5.8	34,547	32,199	19,820	35,918	-3.8	299,011	299,138
Aircraft, missiles, space vehicles, and parts	12,008	12,063	10,268	-0.5	+17.5	-17.1	12,975	11,562	8,670	11,505	+12.8	100,459	104,161
Shipbuilding and tanks	1,076	1,152	1,183	-6.6	-2.6	+6.7	1,122	1,151	1,122	1,303	-13.9	9,696	8,907
Instruments and related products	15,637	15,476	14,841	+1.0	+4.3	-4.3	17,387	14,988	13,134	16,388	+6.1	134,560	128,660
Search and navigation equipment	3,060	3,083	3,002	-0.7	+2.7	-7.4	3,352	2,982	2,691	3,424	-2.1	27,301	28,089
Measuring and controlling devices	5,317	5,051	4,742	+5.3	+6.5	-9.2	5,842	4,971	4,120	4,720	+23.8	43,784	37,192
Medical instruments and supplies	4,812	4,868	4,699	-1.2	+3.6	+0.7	5,460	4,680	4,180	5,569	-2.0	41,885	42,912
Photographic goods	1,942	1,947	1,868	-0.3	+4.2	0.0	2,210	1,824	1,627	2,149	+2.8	16,951	16,076
All other durable goods	20,436	20,846	20,607	-2.0	+1.2	-1.5	21,658	21,312	19,216	22,306	-2.9	188,807	190,189
Nondurable goods industries	166,030	166,762	165,442	-0.4	+0.8	-0.7	173,751	171,570	159,379	164,889	+5.4	1,485,398	1,371,620
With unfilled orders	39,260	39,323	39,382	-0.2	-0.1	-0.3	41,451	40,794	38,134	39,937	+3.8	350,980	334,150
Food and kindred products	42,783	42,852	42,494	-0.2	+0.8	-0.3	44,654	43,727	40,612	44,064	+1.3	379,926	372,234
Meat products	9,926	9,939	9,868	-0.1	+0.7	+0.2	10,069	10,250	9,673	9,457	+6.5	87,201	79,167
Dairy products	6,308	6,245	6,295	+1.0	-0.8	-2.2	6,576	6,261	5,906	6,759	-2.7	56,252	57,947
Beverages	6,776	6,680	6,570	+1.4	+1.7	+0.2	7,006	7,173	6,835	6,593	+6.3	60,524	57,482
All other foods, except fats and oils	17,992	18,217	18,054	-1.2	+0.9	+0.4	19,222	18,272	16,491	19,462	-1.2	159,868	161,139
Tobacco products	4,342	4,575	4,478	-5.1	+2.2	+4.2	4,029	4,822	4,342	4,132	-2.5	39,605	37,401
Textile mill products	6,272	6,370	6,507	-1.5	-2.1	-0.7	6,800	6,719	6,016	7,130	-4.6	58,359	58,798
Broadwoven fabrics and other textiles	3,551	3,608	3,655	-1.6	-1.3	+0.1	3,880	3,721	3,225	3,963	-2.1	32,733	33,641
Paper and allied products	14,369	14,394	14,542	-0.2	-1.0	0.0	14,789	14,651	14,154	14,250	+3.8	130,446	122,287
Pulp, paper, and paperboard mill products	5,680	5,679	5,815	0.0	-2.3	-0.7	5,798	5,781	5,747	5,534	+4.8	52,056	46,996
Paperboard containers and boxes	3,758	3,881	3,878	-3.2	+0.1	-1.6	3,802	3,991	3,700	3,620	+5.0	35,274	30,556
Miscellaneous converted paper products	4,931	4,834	4,849	+2.0	-0.3	+2.3	5,189	4,879	4,707	5,096	+1.8	43,116	44,735
Chemicals and allied products	36,600	37,072	36,586	-1.3	+1.3	-0.1	38,098	36,925	34,639	36,521	+4.3	330,431	308,185
Industrial chemicals	15,939	16,125	16,019	-1.2	+0.7	+0.1	16,203	16,145	15,491	16,007	+1.2	144,927	136,003
Drugs, soaps, and toiletries	16,864	17,060	16,642	-1.1	+2.5	-0.5	18,602	17,215	15,497	17,153	+8.4	148,464	135,426
Petroleum and coal products	20,368	19,815	19,718	+2.8	+0.5	-3.1	21,473	20,858	20,296	16,642	+29.0	175,194	120,788
Rubber and plastics products	14,233	14,531	14,439	-2.1	+0.6	-1.7	14,681	14,853	13,105	14,291	+2.7	131,838	123,502
All other nondurable goods	27,063	27,153	26,678	-0.3	+1.8	-0.8	29,227	29,015	26,215	27,859	+4.9	239,599	228,425

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Sept. 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept. 1999	Sept. 00/99	2000[p]	1999
All manufacturing industries	388,575	382,368	375,030	+1.6	+2.0	-8.1	407,737	381,043	345,466	380,404	+7.2	3,439,032	3,167,332
Manufacturing industries with unfilled orders	226,933	220,867	214,342	+2.7	+3.0	-12.2	238,730	216,077	199,337	217,318	+9.9	1,982,189	1,806,601
without defense capital goods	381,666	375,062	368,944	+1.8	+1.7	-4.8	401,343	375,481	341,098	375,331	+6.9	3,368,608	3,116,058
Durable goods industries	222,385	215,860	209,877	+3.0	+2.9	-13.2	234,661	210,141	185,540	216,720	+8.3	1,952,951	1,793,374
With unfilled orders	187,513	181,798	175,249	+3.1	+3.7	-14.4	197,954	175,951	160,656	178,586	+10.8	1,630,526	1,470,113
Stone, clay, and glass products	8,704	8,803	8,763	-1.1	+0.5	+0.2	9,103	9,249	8,689	9,518	-4.4	79,800	77,457
Primary metals	16,022	15,430	15,597	+3.8	-1.1	-2.5	15,899	15,172	14,206	15,242	+4.3	143,746	135,660
Blast furnaces, steel mills	5,778	5,640	5,687	+2.4	-0.8	-3.9	5,458	5,533	5,012	5,609	-2.7	53,722	52,630
Iron and steel foundries	1,359	1,365	1,535	-0.4	-11.1	-1.3	1,320	1,386	1,277	1,450	-9.0	13,544	13,352
Nonferrous and other primary metals	8,885	8,425	8,375	+5.5	+0.6	-1.6	9,121	8,253	7,917	8,183	+11.5	76,480	69,678
Fabricated metal products	20,123	20,587	20,249	-2.3	+1.7	-1.4	20,860	21,257	18,115	21,143	-1.3	185,687	184,289
Industrial machinery and equipment	43,277	45,623	45,820	-5.1	-0.4	+5.1	47,098	42,917	40,972	43,040	+9.4	390,704	343,825
Engines and turbines	3,230	3,274	3,993	-1.3	-18.0	-12.2	3,892	3,261	3,380	4,585	-15.1	28,999	27,159
Construction, mining and material handling equipment	4,018	3,865	3,859	+4.0	+0.2	-5.0	3,963	3,422	3,397	3,612	+9.7	36,243	34,120
Metalworking machinery	4,022	3,966	3,593	+1.4	+10.4	+2.8	4,608	3,799	2,956	4,474	+3.0	33,490	32,125
Computer and office equipment	14,040	15,725	15,020	-10.7	+4.7	+8.8	16,785	14,741	13,119	13,589	+23.5	124,676	102,342
Electronic and other electrical equipment	44,990	39,858	38,150	+12.9	+4.5	-18.9	47,451	37,214	40,335	40,871	+16.1	371,439	317,052
Electrical transmission and distribution equipment and industrial apparatus	4,234	4,043	4,157	+4.7	-2.7	-8.2	4,603	4,055	3,836	4,326	+6.4	38,315	35,185
Electric lighting and wiring equipment	2,416	2,537	2,744	-4.8	-7.5	+6.3	2,726	2,515	2,318	2,578	+5.7	23,187	21,345
Communications equipment	12,337	10,015	10,258	+23.2	-2.4	-23.1	14,363	8,319	8,334	11,516	+24.7	93,462	74,387
Electronic components	20,865	17,256	15,182	+20.9	+13.7	-28.0	20,281	16,034	20,823	16,257	+24.8	165,065	136,276
Transportation equipment	53,217	49,441	46,161	+7.6	+7.1	-32.6	55,720	48,619	30,942	49,046	+13.6	455,773	416,752
Aircraft, missiles, space vehicles, and parts	16,740	14,615	9,932	+14.5	+47.2	-67.0	17,024	13,398	8,132	9,687	+75.7	124,329	90,624
Shipbuilding and tanks	1,237	619	815	+99.8	-24.0	+36.3	1,382	580	741	892	+54.9	8,565	7,856
Instruments and related products	15,556	15,323	14,662	+1.5	+4.5	-12.0	16,961	14,639	12,954	15,809	+7.3	135,936	127,430
Search and navigation equipment	2,831	2,856	2,877	-0.9	-0.7	-30.4	2,998	2,478	2,217	3,161	-5.2	27,485	26,945
Measuring and controlling devices	5,324	5,127	4,842	+3.8	+5.9	-4.4	5,849	5,047	4,220	4,747	+23.2	44,317	37,184
Medical instruments and supplies	4,962	4,845	4,530	+2.4	+7.0	-11.1	5,396	4,735	4,355	5,236	+3.1	42,568	42,953
All other durable goods	20,496	20,795	20,475	-1.4	+1.6	-1.0	21,569	21,074	19,327	22,051	-2.2	189,866	190,959
Nondurable goods industries	166,190	166,508	165,153	-0.2	+0.8	-0.7	173,076	170,902	159,926	163,684	+5.7	1,486,081	1,373,958
With unfilled orders	39,420	39,069	39,093	+0.9	-0.1	-0.5	40,776	40,126	38,681	38,732	+5.3	351,663	336,488

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a dollar increase from the prior month to the current month.

NOTE: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is sampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(97), "Manufacturers' Shipments, Inventories, and Orders: 1987-1997."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Sept. 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept. 1999	Sept. 00/99
All manufacturing industries	589,363	581,177	579,589	+1.4	+0.3	-0.4	584,291	583,156	584,134	521,233	+12.1
Manufacturing industries without defense capital goods	479,789	472,166	471,631	+1.6	+0.1	-0.4	476,488	475,047	475,651	431,853	+10.3
Durable goods industries	563,915	555,889	554,047	+1.4	+0.3	-0.4	558,696	556,886	557,196	495,949	+12.7
Stone, clay, and glass products	6,261	6,296	6,360	-0.6	-1.0	-0.4	6,183	6,240	6,368	6,047	+2.2
Primary metals	30,826	30,558	30,970	+0.9	-1.3	-1.0	29,957	30,317	31,045	31,194	-4.0
Blast furnaces, steel mills	11,651	11,583	11,868	+0.6	-2.4	-2.8	11,063	11,379	11,817	12,327	-10.3
Iron and steel foundries	4,952	5,000	5,066	-1.0	-1.3	+1.3	4,826	4,978	5,044	4,738	+1.9
Nonferrous and other primary metals	14,223	13,975	14,036	+1.8	-0.4	-0.3	14,068	13,960	14,184	14,129	-0.4
Fabricated metal products	25,084	25,221	25,179	-0.5	+0.2	-0.5	25,108	25,547	25,512	25,063	+0.2
Industrial machinery and equipment	92,293	92,101	90,095	+0.2	+2.2	+1.8	91,440	91,667	89,395	80,213	+14.0
Engines and turbines	30,236	29,640	29,094	+2.0	+1.9	+4.6	30,379	29,389	28,607	24,055	+26.3
Construction, mining and material handling equipment	8,765	8,589	8,622	+2.0	-0.4	-1.6	8,332	8,218	8,481	8,336	0.0
Metalworking machinery	6,802	6,639	6,563	+2.5	+1.2	-3.3	6,802	6,639	6,563	7,132	-4.6
Computer and office equipment	9,315	9,881	8,802	-5.7	+12.3	-1.2	9,357	10,294	8,960	8,448	+10.8
Electronic and other electrical equipment	103,524	100,357	101,675	+3.2	-1.3	-2.5	100,628	101,033	103,378	74,178	+35.7
Electrical transmission and distribution equipment and industrial apparatus	7,515	7,477	7,600	+0.5	-1.6	-0.2	7,402	7,580	7,626	6,685	+10.7
Electric lighting and wiring equipment	5,152	5,326	5,384	-3.3	-1.1	+1.4	5,152	5,326	5,384	5,009	+2.9
Communications equipment	31,445	29,836	30,212	+5.4	-1.2	+0.4	30,120	28,572	29,382	18,743	+60.7
Electronic components	52,953	50,827	51,909	+4.2	-2.1	-5.4	51,725	52,597	54,582	38,253	+35.2
Transportation equipment	248,791	244,199	242,407	+1.9	+0.7	-0.2	248,568	244,755	243,584	224,857	+10.5
Aircraft, missiles, space vehicles, and parts	214,566	209,834	207,282	+2.3	+1.2	-0.2	214,378	210,329	208,493	190,471	+12.6
Shipbuilding and tanks	18,301	18,140	18,673	+0.9	-2.9	-1.9	18,397	18,137	18,708	18,271	+0.7
Instruments and related products	48,309	48,390	48,543	-0.2	-0.3	-0.4	47,872	48,298	48,647	45,955	+4.2
Search and navigation equipment	25,862	26,091	26,318	-0.9	-0.9	-0.5	25,604	25,958	26,462	25,284	+1.3
Measuring and controlling devices	10,665	10,658	10,582	+0.1	+0.7	+1.0	10,665	10,658	10,582	10,177	+4.8
Medical instruments and supplies	10,890	10,740	10,763	+1.4	-0.2	-1.5	10,718	10,782	10,727	9,627	+11.3
All other durable goods	8,827	8,767	8,818	+0.7	-0.6	-1.5	8,940	9,029	9,267	8,442	+5.9
Nondurable goods industries	25,448	25,288	25,542	+0.6	-1.0	-1.1	25,595	26,270	26,938	25,284	+1.2

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Sept. 2000p	Aug. 2000r	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000p	Aug. 2000r	July 2000	Sept. 1999	Sept. 00/99
All manufacturing industries	488,455	487,644	486,303	+0.2	+0.3	+0.9	487,707	491,512	488,546	465,082	+4.9
Manufacturing industries with unfilled orders	322,189	321,553	319,845	+0.2	+0.5	+0.8	322,094	326,006	323,033	308,986	+4.2
without defense capital goods	469,537	469,014	467,704	+0.1	+0.3	+1.1	468,458	472,543	469,622	445,929	+5.1
urable goods industries	305,429	305,162	303,724	+0.1	+0.5	+0.9	304,735	308,777	305,765	292,311	+4.3
With unfilled orders	279,532	279,026	277,548	+0.2	+0.5	+0.8	279,302	282,821	279,975	268,212	+4.1
tone, clay, and glass products	10,315	10,227	10,152	+0.9	+0.7	+0.7	10,139	10,201	10,168	9,549	+6.2
rimary metals	25,116	25,122	25,211	0.0	-0.4	+0.7	25,089	25,221	25,336	23,677	+6.0
Blast furnaces, steel mills	12,263	12,257	12,363	0.0	-0.9	+0.6	12,291	12,343	12,474	11,319	+8.6
Iron and steel foundries	1,616	1,612	1,600	+0.2	+0.8	+0.5	1,581	1,584	1,584	1,541	+2.6
Nonferrous and other primary metals	11,237	11,253	11,248	-0.1	0.0	+0.9	11,217	11,294	11,278	10,817	+3.7
abricated metal products	32,630	32,779	32,563	-0.5	+0.7	+1.0	32,441	32,821	32,761	30,991	+4.7
dustrial machinery and equipment	62,516	62,311	61,946	+0.3	+0.6	+1.3	62,198	63,223	62,006	59,763	+4.1
Engines and turbines	4,748	4,781	4,774	-0.7	+0.1	+1.6	4,729	5,023	4,871	4,460	+6.0
Farm and garden machinery	3,732	3,891	3,812	-4.1	+2.1	+1.3	3,449	3,607	3,459	3,363	+2.6
Construction, mining and material handling equipment	9,037	9,010	8,938	+0.3	+0.8	+2.0	8,908	8,916	8,823	8,709	+2.3
Metalworking machinery	8,315	8,355	8,323	-0.5	+0.4	+0.4	8,523	8,775	8,565	8,261	+3.2
Computer and office equipment	8,845	8,736	8,602	+1.2	+1.6	+1.4	8,910	9,405	8,867	9,170	-2.8
ectronic and other electrical equipment	46,245	46,230	45,902	0.0	+0.7	+1.5	45,731	47,101	46,473	41,195	+11.0
Electrical transmission and distribution equipment and industrial apparatus	5,988	5,720	5,562	+4.7	+2.8	+1.3	5,934	5,716	5,525	5,219	+13.7
Household appliances	2,652	2,682	2,680	-1.1	+0.1	+1.7	2,519	2,637	2,694	2,281	+10.4
Electric lighting and wiring equipment	4,098	4,114	4,090	-0.4	+0.6	-0.2	4,064	4,210	4,170	3,663	+10.9
Household audio and video equipment	1,194	1,185	1,144	+0.8	+3.6	-2.4	1,285	1,298	1,255	1,140	+12.7
Communications equipment	11,566	12,089	11,909	-4.3	+1.5	+0.7	11,477	12,448	11,979	10,950	+4.8
Electronic components	16,467	16,242	16,352	+1.4	-0.7	+2.2	16,180	16,442	16,514	14,354	+12.7
nsportation equipment	69,242	69,259	69,254	0.0	0.0	+0.1	69,708	70,183	69,929	71,147	-2.0
Motor vehicles and parts	18,902	18,808	18,725	+0.5	+0.4	+1.2	18,954	19,200	19,075	17,492	+8.4
Aircraft, missiles, space vehicles, and parts	44,136	44,141	44,364	0.0	-0.5	-0.7	44,620	44,573	44,624	47,687	-6.4
Shipbuilding and tanks	2,509	2,411	2,410	+4.1	0.0	-3.1	2,493	2,395	2,396	2,207	+13.0
truments and related products	27,919	27,968	27,847	-0.2	+0.4	+0.7	27,928	28,617	28,232	27,106	+3.0
Search and navigation equipment	6,744	6,762	6,732	-0.3	+0.4	-0.2	6,752	6,946	6,917	6,960	-3.0
Measuring and controlling devices	9,127	9,092	8,977	+0.4	+1.3	+1.9	9,122	9,335	9,083	8,209	+11.1
Medical instruments and supplies	8,871	8,952	9,005	-0.9	-0.6	-0.1	8,803	9,115	9,089	8,791	+0.1
Photographic goods	2,437	2,427	2,401	+0.4	+1.1	+1.0	2,518	2,483	2,408	2,401	+4.9
other durable goods	31,446	31,266	30,849	+0.6	+1.4	+0.8	31,501	31,410	30,860	28,883	+9.1
ndurable goods industries	183,026	182,482	182,579	+0.3	-0.1	+0.9	182,972	182,735	182,781	172,771	+5.9
With unfilled orders	42,657	42,527	42,297	+0.3	+0.5	+0.7	42,792	43,185	43,058	40,774	+4.9
d and kindred products	38,134	38,565	38,917	-1.1	-0.9	-0.4	38,690	38,177	37,778	38,860	-0.4
Meat products	4,622	4,616	4,615	+0.1	0.0	+0.1	4,546	4,520	4,629	4,315	+5.4
Dairy products	3,870	3,855	3,896	+0.4	-1.1	-0.1	3,831	3,915	4,028	3,855	-0.6
Beverages	8,916	8,843	8,789	+0.8	+0.6	-0.1	9,009	8,623	8,554	8,694	+3.6
All other foods, except fats and oils	19,240	19,744	20,094	-2.6	-1.7	-0.5	19,909	19,751	19,117	20,524	-3.0
acco products	5,435	5,336	5,350	+1.9	-0.3	-0.6	5,292	4,955	4,838	5,014	+5.5
tile mill products	10,524	10,461	10,434	+0.6	+0.3	+0.4	10,402	10,531	10,590	9,975	+4.3
Broadwoven fabrics and other textiles	6,089	6,085	6,069	+0.1	+0.3	0.0	5,968	6,104	6,119	5,991	-0.4
er and allied products	17,345	17,342	17,308	0.0	+0.2	+1.8	17,199	17,331	17,321	16,003	+7.5
Pulp, paper, and paperboard mill products	6,800	6,814	6,816	-0.2	0.0	+1.9	6,730	6,803	6,785	6,260	+7.5
Paperboard containers and boxes	4,577	4,528	4,543	+1.1	-0.3	+0.9	4,565	4,515	4,564	4,170	+9.5
Miscellaneous converted paper products	5,968	6,000	5,949	-0.5	+0.9	+2.4	5,904	6,013	5,972	5,573	+5.9
micals and allied products	50,907	50,412	50,335	+1.0	+0.2	+2.2	50,320	50,515	50,689	45,926	+9.6
ndustrial chemicals	20,666	20,554	20,764	+0.5	-1.0	+1.3	20,625	20,581	20,864	19,147	+7.7
Drugs, soaps, and toiletries	24,240	23,945	23,679	+1.2	+1.1	+4.0	23,971	24,321	24,164	21,215	+13.0
oleum and coal products	14,188	14,045	14,174	+1.0	-0.9	+0.5	14,419	14,182	14,375	12,106	+19.1
per and plastics products	18,652	18,626	18,577	+0.1	+0.3	+1.1	18,340	18,472	18,588	17,159	+6.9
ther nondurable goods	27,841	27,695	27,484	+0.5	+0.8	+0.4	28,310	28,572	28,602	27,728	+2.1

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Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted[2]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Sept. 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept 1999	Sept. 00/99	2000[p]	199[r]
SHIPMENTS													
All manufacturing industries	380,389	380,780	377,584	0.1	+0.8	-1.7	406,602	382,021	339,435	384,195	+5.8	3,387,432	3,159,1
Market categories													
Automotive equipment	16,332	15,859	16,250	+3.0	-2.4	-6.6	17,660	15,991	9,947	17,914	-1.4	148,302	145,8
Home goods and apparel	20,347	20,870	20,708	2.5	-0.8	0.4	22,312	22,027	19,277	22,023	+1.3	186,960	178,2
Consumer staples	80,864	80,979	80,123	0.1	+1.1	0.5	85,082	83,229	77,450	79,898	+6.5	713,744	654,0
Machinery and equipment	75,021	74,971	73,063	+0.1	+2.6	2.6	83,363	70,949	61,346	75,318	+10.7	654,471	604,7
Business supplies	28,649	28,634	28,409	+0.1	+0.8	-0.2	29,944	29,018	27,026	28,057	+6.7	252,585	236,2
Construction materials and supplies	23,019	23,094	22,950	-0.3	+0.6	1.8	24,448	24,274	22,386	24,912	-1.9	211,425	207,8
Defense products	6,552	6,535	6,718	+0.3	-2.7	6.3	6,915	6,245	5,967	7,134	-3.1	58,473	59,8
Other materials, supplies and intermediate products	129,605	129,838	129,363	-0.2	+0.4	1.6	136,878	130,288	116,036	128,939	+6.2	1,161,472	1,072,2
Durable goods industries													
Nondefense capital goods [3]	62,847	62,832	60,773	0.0	+3.4	1.9	71,081	58,678	53,390	61,867	+14.9	540,925	486,3
Excluding aircraft and parts	54,210	53,962	53,971	+0.5	0.0	+0.8	61,620	50,153	47,669	53,933	+14.3	470,130	412,7
Defense capital goods [4]	6,346	6,253	6,551	+1.5	4.5	7.1	6,700	5,936	5,751	6,851	-2.2	56,261	57,6
Durables excluding capital goods	145,166	144,933	144,818	+0.2	+0.1	2.6	155,070	145,837	120,915	150,588	+3.0	1,304,848	1,243,5
Miscellaneous series													
Producers' durable equipment	138,974	138,876	137,539	+0.1	+1.0	2.6	151,789	135,041	111,448	143,098	+6.1	1,233,517	1,166,5
Household durable goods	10,754	11,124	11,212	3.3	0.8	+0.5	11,772	11,117	9,792	11,518	+2.2	98,997	92,3
Information technology industries	33,486	32,926	32,680	+1.7	+0.8	+1.9	39,616	30,258	28,182	32,303	+22.6	281,643	236,2
Health care equipment and products	13,946	14,109	13,717	1.2	+2.9	0.1	15,521	14,007	12,564	14,854	+4.5	122,362	116,3
NEW ORDERS													
All manufacturing industries	388,575	382,368	375,030	+1.6	+2.0	8.1	407,737	381,043	345,466	380,404	+7.2	3,439,032	3,167,3
Market categories:													
Automotive equipment	16,237	15,839	16,273	+2.5	-2.7	-6.0	17,476	16,029	10,011	17,825	-2.0	148,141	145,9
Home goods and apparel	20,325	20,910	20,632	-2.8	+1.3	+0.7	22,237	21,872	19,417	22,029	+0.9	187,481	179,1
Consumer staples	81,000	80,903	79,967	+0.1	+1.2	-0.5	84,972	83,052	77,743	79,561	+6.8	713,920	654,8
Machinery and equipment	82,216	76,841	74,815	+7.0	+2.7	-10.7	89,503	72,663	63,595	76,037	+17.7	680,318	598,9
Business supplies	28,799	28,611	28,291	+0.7	+1.1	0.0	29,803	28,944	27,157	27,588	+8.0	252,926	237,0
Construction materials and supplies	22,829	23,023	23,014	0.8	0.0	-0.4	24,111	24,113	22,471	24,440	-1.3	211,810	208,1
Defense products	7,086	7,436	6,242	4.7	+19.1	69.8	6,650	5,785	4,735	5,536	+20.1	71,615	53,74
Other materials, supplies and intermediate products	130,083	128,805	125,796	-1.0	+2.4	-6.1	132,985	128,585	120,337	127,388	+4.4	1,172,821	1,089,61
Durable goods industries:													
Nondefense capital goods [3]	68,788	64,993	62,283	+5.8	+4.4	12.2	76,414	61,025	55,149	62,872	+21.5	565,108	480,39
Excluding aircraft and parts	55,763	54,801	55,506	+1.8	-1.3	-3.7	62,565	51,178	49,453	55,377	+13.0	484,959	416,87
Defense capital goods [4]	6,909	7,306	6,086	-5.4	+20.0	70.6	6,394	5,562	4,368	5,073	+26.0	70,424	51,27
Durables excluding capital goods	146,688	143,561	141,508	+2.2	+1.5	-5.7	151,853	143,554	126,023	148,775	+2.1	1,317,419	1,261,70
Miscellaneous series													
Producers' durable equipment	145,340	140,728	139,318	+3.3	+1.0	-6.2	156,416	137,320	114,427	143,722	+8.8	1,260,140	1,160,43
Household durable goods	10,696	11,176	11,181	4.3	0.0	+2.5	11,699	11,105	10,031	11,496	+1.8	99,196	92,75
Information technology industries	33,661	33,145	32,484	+1.6	+2.0	-6.6	39,412	30,738	28,091	32,874	+19.9	286,175	238,32
Health care equipment and products	14,096	14,086	13,547	+0.1	+4.0	-4.4	15,456	14,061	12,739	14,519	+6.5	123,053	116,427

[p] Preliminary [r] Revised

[1] Topical series are regroupings of the separate industry categories

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar month variations

[3] Nondefense capital goods industries include: ordnance and accessories; steam, gas and hydraulic turbines, internal combustion engines; construction, mining, and material handling equipment; metalworking machinery, special industry machinery, general industrial machinery, computer and office equipment, refrigeration, heating and service industry machinery; electrical transmission and distribution equipment, electrical industrial apparatus; communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include: ordnance and accessories, communications equipment, aircraft, missiles, space vehicles, and engines and parts; ships, tanks, and tank components, and search and navigation equipment

See note at end of Table 2 relating to survey error and revision

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Sept. 00/99
	Sept. 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept. 1999	
UNFILLED ORDERS											
All manufacturing industries	589,363	581,177	579,589	+1.4	+0.3	-0.4	584,291	583,156	584,134	521,233	+12.1
Market categories:											
Automotive equipment	2,381	2,476	2,496	-3.8	-0.8	+1.0	2,325	2,510	2,471	2,464	-5.6
Home goods and apparel	9,124	9,146	9,107	-0.2	+0.4	-0.8	9,128	9,203	9,358	9,122	+0.1
Consumer staples	3,088	2,952	3,028	+4.6	-2.5	-4.9	3,242	3,352	3,529	3,045	+6.5
Machinery and equipment	266,020	258,825	256,956	+2.8	+0.7	+0.7	265,039	258,899	257,186	234,774	+12.9
Business supplies	7,448	7,298	7,321	+2.1	-0.3	-1.6	7,535	7,676	7,750	7,344	+2.6
Construction materials and supplies	17,813	18,002	18,073	-1.0	-0.4	+0.4	17,752	18,089	18,250	17,532	+1.3
Defense products	103,919	103,386	102,485	+0.5	+0.9	-0.5	102,227	102,491	102,950	84,769	+20.6
Other materials, supplies and intermediate products	179,570	179,092	180,123	+0.3	-0.6	-1.9	177,043	180,936	182,640	162,183	+9.2
ırable goods industries:											
Nondefense capital goods [3]	281,669	275,728	273,567	+2.2	+0.8	+0.6	280,778	275,445	273,098	251,170	+11.8
Excluding aircraft and parts	130,938	129,385	128,546	+1.2	+0.7	+1.2	130,047	129,102	128,077	110,689	+17.5
Defense capital goods [4]	109,574	109,011	107,958	+0.5	+1.0	-0.4	107,803	108,109	108,483	89,380	+20.6
Durables excluding capital goods	172,672	171,150	172,522	+0.9	-0.8	-1.9	170,115	173,332	175,615	155,399	+9.5
scellaneous series:											
Producers' durable equipment	304,434	298,068	296,216	+2.1	+0.6	+0.6	303,149	298,522	296,243	273,439	+10.9
Household durable goods	5,634	5,692	5,640	-1.0	+0.9	-0.5	5,645	5,718	5,730	5,606	+0.7
Information technology industries	49,352	49,177	48,958	+0.4	+0.4	-0.4	49,379	49,583	49,103	41,165	+20.0
Health care equipment and products	10,935	10,785	10,809	+1.4	-0.2	-1.5	10,764	10,830	10,776	9,669	+11.3
TOTAL INVENTORIES											
All manufacturing industries	488,455	487,644	486,303	+0.2	+0.3	+0 9	487,707	491,512	488,546	465,082	+4.9
ket categories:											
Automotive equipment	9,452	9,485	9,447	-0.3	+0.4	+2.8	9,413	9,780	9,674	8,667	+8.6
Home goods and apparel	33,719	33,377	32,906	+1.0	+1.4	+1.3	33,860	34,068	33,864	31,622	+7.1
Consumer staples	79,825	79,691	79,783	+0.2	-0.1	+1.1	80,072	79,555	79,004	75,269	+6.4
Machinery and equipment	116,503	117,303	116,504	-0.7	+0.7	+1.0	116,093	119,023	116,883	115,681	+0.4
Business supplies	29,785	29,816	29,572	-0.1	+0.8	+0.3	30,126	30,209	29,899	28,727	+4.9
Construction materials and supplies	32,183	32,138	32,021	+0.1	+0.4	+0.5	31,920	32,207	32,184	29,539	+8.1
Defense products	18,417	18,120	18,188	+1.6	-0.4	-3.1	18,696	18,394	18,519	18,715	-0.1
Other materials, supplies and intermediate products	168,571	167,714	167,882	+0.5	-0.1	+1.1	167,527	168,276	168,519	156,862	+6.8
ıble goods industries:											
Nondefense capital goods [3]	107,769	108,009	107,242	-0.2	+0.7	+1.0	107,706	109,836	107,817	107,358	+0.3
Excluding aircraft and parts	75,977	75,915	74,891	+0.1	+1.4	+1.1	75,744	77,542	75,475	72,214	+4.9
Defense capital goods [4]	18,918	18,630	18,599	+1.5	+0.2	-3.7	19,249	18,969	18,924	19,153	+0.5
Durables excluding capital goods	178,742	178,523	177,883	+0.1	+0.4	+1.3	177,780	179,972	179,024	165,800	+7.2
ellaneous series:											
roducers' durable equipment	196,865	196,991	195,077	-0.1	+1.0	+1.2	196,509	199,785	196,451	189,491	+3.7
ousehold durable goods	18,078	17,864	17,407	+1.2	+2.6	+1.4	18,124	18,230	17,750	16,288	+11.3
formation technology industries	34,850	35,160	34,682	-0.9	+1.4	+1.2	34,874	36,546	35,239	33,537	+4.0
ealth care equipment and products	21,978	21,903	21,814	+0.3	+0.4	+2.2	21,765	22,266	22,156	20,280	+7.3

[p] ninary [r] Revised

tnotes at end of Table 5

e at end of Table 2 relating to survey error and revisions.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Sept 2000[p]	Aug. 2000[r]	July 2000	Aug. - Sept.	July - Aug.	June - July	Sept. 2000[p]	Aug. 2000[r]	July 2000	Sept. 1999	Sept. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	163,826	163,648	162,798	+0.1	+0.5	+0.7	164,183	164,023	163,402	154,734	+6.
Durable goods industries	99,455	99,430	98,487	0.0	+1.0	+0.8	100,167	100,271	99,106	93,844	+6.
Stone, clay, and glass products	3,437	3,418	3,391	+0.6	+0.8	-0.3	3,470	3,451	3,380	3,299	+5.
Primary metals	7,955	8,027	8,112	-0.9	-1.0	+0.8	8,070	8,101	8,138	7,575	+6.
Fabricated metal products	11,051	11,215	11,251	-1.5	-0.3	+1.3	11,140	11,261	11,304	10,787	+3.
Industrial machinery and equipment	21,981	21,715	21,214	+1.2	+2.4	-0.5	22,299	22,065	21,329	20,388	+9.
Electronic and other electrical equipment	18,934	18,997	18,670	-0.3	+1.8	+2.2	18,840	19,256	18,957	16,268	+15.
Transportation equipment	14,986	15,056	15,075	-0.5	-0.1	+2.4	15,013	15,013	15,341	15,300	-1
Instruments and related products	9,576	9,382	9,397	+2.1	-0.2	-0.3	9,623	9,507	9,478	9,145	+5.
Lumber, furniture and miscellaneous durable goods	11,535	11,620	11,377	-0.7	+2.1	0.0	11,712	11,617	11,179	11,082	+5.
Nondurable goods industries	64,371	64,218	64,311	+0.2	-0.1	+0.5	64,016	63,752	64,296	60,890	+5.
Food and kindred products	11,328	11,359	11,426	-0.3	0.6	-0.4	11,085	11,069	11,246	11,170	-0.
Tobacco products	4,636	4,562	4,566	+1.6	0.1	0.0	4,529	4,330	4,230	4,455	+1.
Textile mill products	3,084	3,071	3,024	+0.4	+1.6	+3.3	3,059	3,090	3,078	2,866	+6.
Paper and allied products	8,046	8,079	8,149	-0.4	-0.9	+1.0	8,028	8,048	8,119	7,807	+2.
Chemicals and allied products	16,314	16,110	16,125	+1.3	-0.1	+0.7	16,258	16,054	16,281	15,212	+6.
Petroleum and coal products	4,178	4,281	4,257	2.4	+0.6	-2.5	4,133	4,267	4,280	3,439	+20.
Rubber and plastics products	7,652	7,683	7,703	-0.4	-0.3	+0.9	7,637	7,631	7,761	7,113	+7
Apparel, printing and publishing and leather goods	9,133	9,073	9,061	+0.7	+0.1	+1.3	9,287	9,263	9,301	8,828	+5
WORK IN PROCESS											
All manufacturing industries	144,411	144,687	145,446	-0.2	0.5	+0.1	144,712	146,516	146,428	145,919	-0
Durable goods industries	112,557	112,626	113,412	-0.1	0.7	-0.4	112,764	114,474	114,353	115,611	-2
Stone, clay, and glass products	1,682	1,680	1,645	+0.1	+2.1	+0.8	1,651	1,710	1,660	1,499	+10
Primary metals	8,774	8,790	8,737	-0.2	+0.6	+0.2	8,750	8,857	8,857	8,080	+8
Fabricated metal products	9,254	9,337	9,338	0.9	0.0	-0.2	9,331	9,454	9,447	9,130	+2
Industrial machinery and equipment	20,239	20,333	20,832	-0.5	-2.4	+0.7	20,110	20,763	21,013	21,269	-5
Electronic and other electrical equipment	13,352	13,859	14,090	-3.7	-1.6	0.0	13,222	14,259	14,247	13,909	-4
Transportation equipment	42,966	42,383	42,602	+1.4	-0.5	-1.6	43,365	42,779	42,659	45,934	-5
Instruments and related products	10,221	10,305	10,231	-0.8	+0.7	+1.3	10,165	10,636	10,463	10,079	+0
Lumber, furniture and miscellaneous durable goods	6,069	5,939	5,937	+2.2	0.0	1.0	6,170	6,016	6,007	5,711	+8
Nondurable goods industries	31,854	32,061	32,034	-0.6	+0.1	+1.9	31,948	32,042	32,075	30,308	+5
Food and kindred products	6,450	6,466	6,497	-0.2	-0.5	-0.9	6,404	5,945	5,973	6,125	+4
Tobacco products	98	86	84	+14.0	+2.4	0.0	97	74	74	86	+12
Textile mill products	2,499	2,500	2,473	0.0	+1.1	-2.3	2,508	2,503	2,485	2,462	+1
Paper and allied products	1,868	1,868	1,842	0.0	+1.4	+1.7	1,848	1,878	1,850	1,689	+9
Chemicals and allied products	9,588	9,741	9,781	1.6	-0.4	+7.2	9,533	9,939	10,068	8,801	+8
Petroleum and coal products	3,331	3,327	3,412	+0.1	2.5	+1.7	3,393	3,371	3,401	2,975	+14
Rubber and plastics products	2,290	2,305	2,307	-0.7	-0.1	+0.3	2,296	2,308	2,287	2,282	+0
Apparel, printing and publishing and leather goods	5,730	5,768	5,638	-0.7	+2.3	-0.9	5,869	6,024	5,937	5,888	-0
FINISHED GOODS											
All manufacturing industries	180,218	179,309	178,059	+0.5	+0.7	+1.7	178,812	180,973	178,716	164,429	+8
Durable goods industries	93,417	93,106	91,825	+0.3	+1.4	+2.5	91,804	94,032	92,306	82,856	+10
Stone, clay, and glass products	5,196	5,129	5,116	+1.3	+0.3	+1.4	5,018	5,040	5,128	4,751	+5
Primary metals	8,387	8,305	8,362	+1.0	0.7	+1.2	8,269	8,263	8,341	8,022	+3
Fabricated metal products	12,325	12,227	11,974	+0.8	+2.1	+1.6	11,970	12,106	12,010	11,074	+8
Industrial machinery and equipment	20,296	20,263	19,900	+0.2	+1.8	+4.0	19,789	20,395	19,664	18,106	+9
Electronic and other electrical equipment	13,959	13,374	13,142	+4.4	+1.8	+2.4	13,669	13,586	13,269	11,018	+24
Transportation equipment	11,290	11,320	11,577	4.5	+2.1	+3.7	11,330	12,391	11,929	9,913	+14
Instruments and related products	8,122	8,281	8,219	1.9	+0.8	+1.1	8,140	8,474	8,291	7,882	+3
Lumber, furniture and miscellaneous durable goods	13,842	13,707	13,535	+1.0	+1.3	+2.4	13,619	13,777	13,674	12,090	+12
Nondurable goods industries	86,801	86,203	86,234	+0.7	0.0	+0.9	87,008	86,941	86,410	81,573	+6
Food and kindred products	20,356	20,740	20,994	-1.9	1.2	0.2	21,201	21,163	20,559	21,565	-1
Tobacco products	701	688	700	+1.9	1.7	4.0	666	551	534	473	+40
Textile mill products	4,941	4,890	4,937	+1.0	1.0	+0.1	4,835	4,938	5,027	4,647	+4
Paper and allied products	7,431	7,395	7,317	+0.5	+1.1	+2.8	7,323	7,405	7,352	6,507	+12
Chemicals and allied products	25,005	24,561	24,429	+1.8	+0.5	+1.3	24,529	24,522	24,340	21,913	+11
Petroleum and coal products	6,679	6,437	6,505	+3.8	-1.0	+2.0	6,893	6,544	6,694	5,692	+21
Rubber and plastics products	8,710	8,638	8,567	+0.8	+0.8	+1.5	8,407	8,533	8,540	7,764	+8
Apparel, printing and publishing and leather goods	12,978	12,854	12,785	+1.0	+0.5	+0.3	13,154	13,285	13,364	13,012	+1

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revisions

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio[1]			
	Sep 2000[p]	Aug 2000[r]	Jul 2000	Jun 2000	Sep 2000[p]	Aug 2000[r]	Jul 2000	Jun 2000
All manufacturing industries	1.28	1.28	1.29	1.25	2.69	2.65	2.67	2.64
Durable goods industries	1.42	1.43	1.43	1.38	3.14	3.09	3.12	3.08
Stone, clay, and glass products	1.18	1.15	1.16	1.14	0.75	0.74	0.75	0.75
Primary metals	1.59	1.59	1.58	1.56	1.96	1.93	1.95	1.94
Fabricated metal products	1.61	1.60	1.60	1.56	1.31	1.30	1.31	1.30
Industrial machinery and equipment	1.45	1.43	1.40	1.45	2.25	2.22	2.14	2.21
Electronic and other electrical equipment	1.11	1.12	1.13	1.09	2.48	2.44	2.49	2.52
Transportation equipment	1.42	1.45	1.48	1.32	9.48	9.35	9.91	8.63
Instruments and related products	1.79	1.81	1.88	1.78	3.09	3.13	3.27	3.14
Nondurable goods industries	1.10	1.09	1.10	1.09	0.65	0.64	0.65	0.65
Food and kindred products	0.89	0.90	0.92	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.25	1.17	1.19	1.25	(X)	(X)	(X)	(X)
Textile mill products	1.68	1.64	1.60	1.59	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.20	1.19	1.17	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.39	1.36	1.38	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.70	0.71	0.72	0.69	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.28	1.29	1.25	(X)	(X)	(X)	(X)

[p] Preliminary [r] Revised

(X) Not Applicable (NA) Not Available

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Sep[1] 2000	Sep[2] 1995-1999	Sep 1999-Aug 2000	Sep[1] 2000	Sep[2] 1995-1999	Sep 1999-Aug 2000	Sep[1] 2000	Sep[2] 1995-1999	Sep 1999-Aug 2000	Sep[1] 2000	Sep[2] 1995-1999	Sep 1999-Aug 2000
All manufacturing industries	(X)	0.1	0.0	(X)	0.2	-0.2	(X)	0.0	-0.1	(X)	0.0	-0.1
Durable goods industries	0.0	0.1	0.0	1.2	0.3	-0.3	0.2	0.0	-0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	0.4	0.2	(X)	1.4	-0.1	(X)	0.2	-0.4	(X)	-0.1	-0.1
Primary metals	-0.3	0.4	-0.1	0.4	0.5	-0.1	0.2	0.1	0.1	(X)	0.1	-0.2
Fabricated metal products	(X)	0.2	0.1	(X)	0.4	-0.1	(X)	0.1	-0.1	(X)	0.2	0.0
Industrial machinery and equipment	0.4	0.1	-0.1	2.0	0.2	-0.5	0.2	0.1	-0.2	(X)	-0.1	0.0
Electronic and other electrical equipment	-0.2	0.1	-0.2	1.1	0.8	-1.0	0.0	0.2	-0.4	(X)	0.0	-0.1
Transportation equipment	0.1	-0.1	0.2	2.5	-0.4	0.0	0.5	0.0	0.0	(X)	0.2	0.1
Instruments and related products	(X)	-0.3	0.0	(X)	-1.1	-0.6	(X)	-0.2	-0.2	(X)	-0.1	0.1
Nondurable goods industries	(X)	0.1	0.0	(X)	0.1	0.0	(X)	0.2	0.1	(X)	0.0	-0.1
Food and kindred products	(X)	-0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.1	0.0
Tobacco products	(X)	-1.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-1.4	-0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Paper and allied products	(X)	0.2	-0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	-0.2
Chemicals and allied products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.1	-0.1
Petroleum and coal products	(X)	0.9	-1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.6	-0.9
Rubber and plastics products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0
Capital goods industries:												
Nondefense	0.3	0.0	0.0	3.2	0.8	-0.5	0.5	0.1	0.0	(X)	0.0	0.0
Defense	-0.2	0.6	-0.2	0.2	-1.4	-3.5	0.0	-0.1	-0.2	(X)	-0.1	0.0

(X) Not Applicable (NA) Not Available

[1] The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and advance estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The difference to final percent change revisions for the durable goods industries are shown in the advance report for the month.

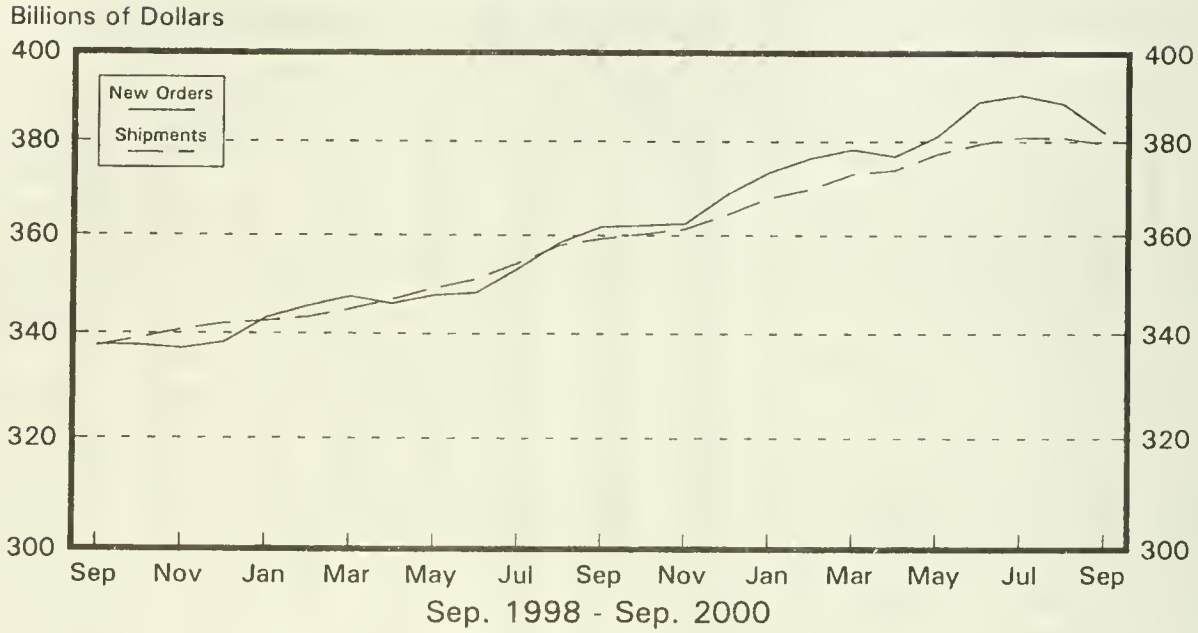
[2] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

See note at end of Table 2 relating to survey variability.

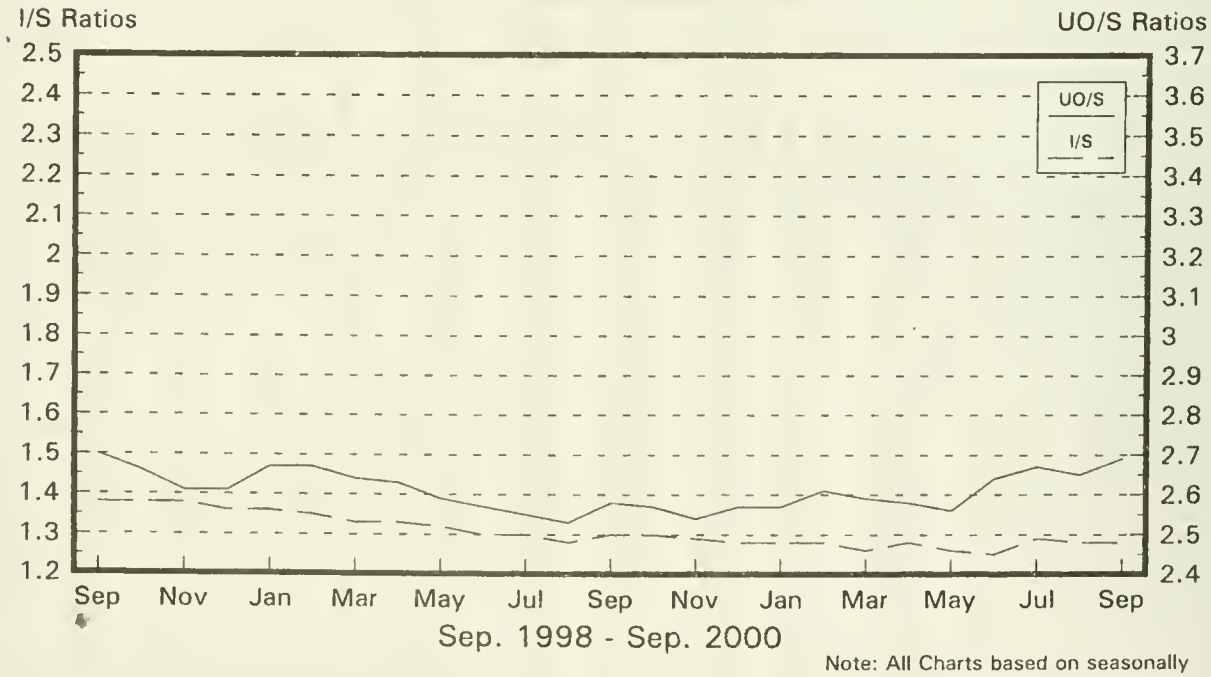
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

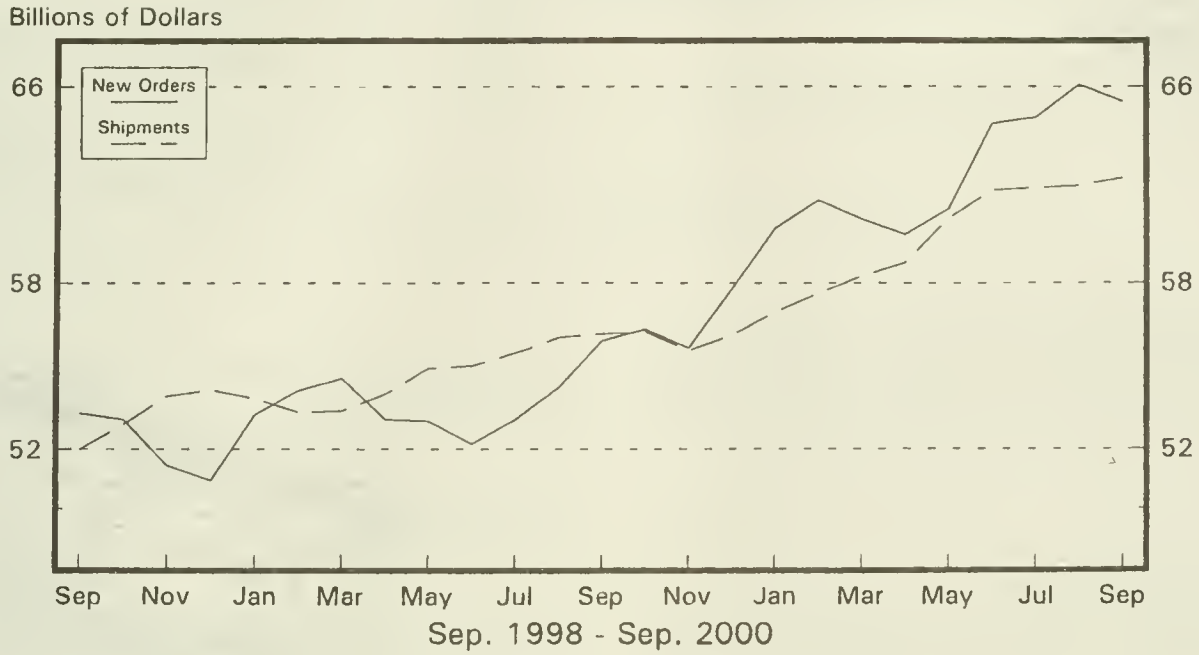
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

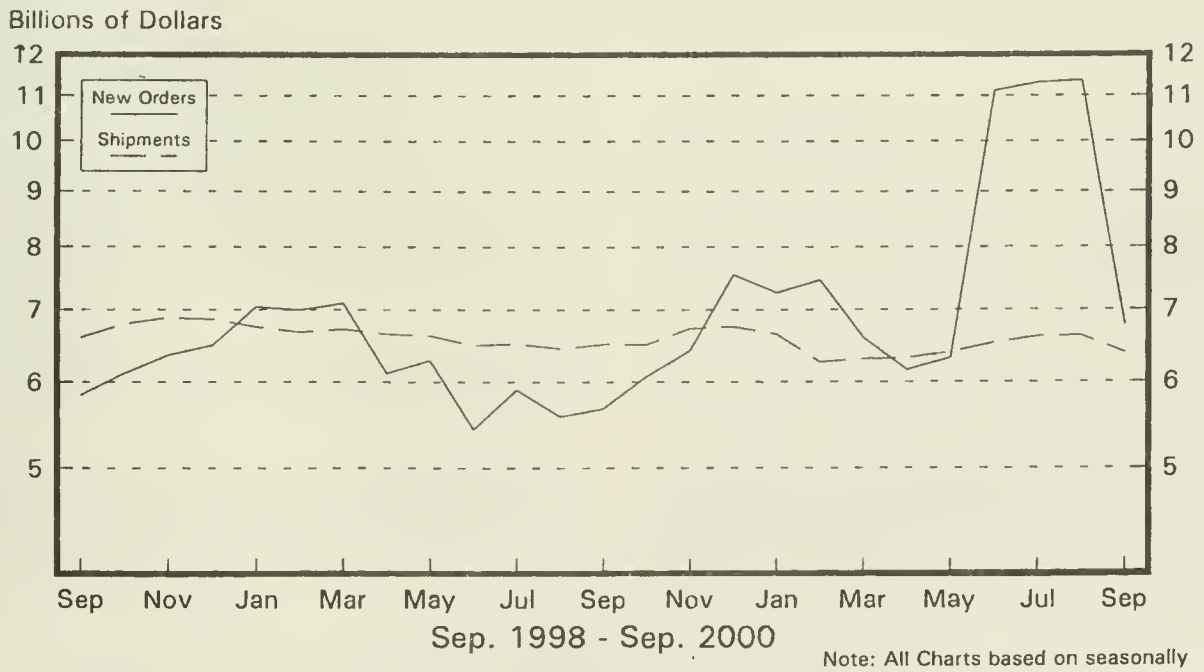
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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Economics and Statistics Administration
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Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

October 2000
M3-1-(00)-10
For Wire Transmissions 10:00 a.m. E.S.T. December 5, 2000

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October decreased $12.7 billion or 3.3 percent to $373.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.1 percent September increase. Year to date, new orders are 8.1 percent above the same period a year ago.

Shipments decreased $2.3 billion or 0.6 percent to $377.7 billion, following a 0.2 percent September decrease. Year to date, shipments are 7.0 percent above the same period a year ago.

Unfilled orders decreased $3.8 billion or 0.6 percent to $584.0 billion, following a 1.1 percent September increase. This is the largest decrease since June 1999. The unfilled orders-to-shipments ratio was 2.70, up from 2.69 in September.

Inventories increased $3.0 billion or 0.6 percent to $491.9 billion, following a 0.3 percent September increase. This is the seventh consecutive increase. The inventories-to-shipments ratio was 1.30, up from 1.29 in September.

New Orders

New orders for manufactured durable goods in October decreased $12.3 billion or 5.6 percent to $208.3 billion, revised from the previously published 5.5 percent decrease.

Transportation equipment had the largest decrease, $8.6 billion or 16.1 percent to $44.7 billion, mostly due to aircraft and parts. Electronic and other electrical equipment decreased $4.3 billion or 9.9 percent to $39.0 billion, mostly due to electronic components. Primary metals decreased $0.4 billion or 2.7 percent to $15.3 billion; this is the largest decrease since January 1999. Industrial machinery and equipment increased $0.5 billion or 1.1 percent to $43.9 billion.

New orders for nondurable goods decreased $0.4 billion or 0.2 percent to $165.6 billion. Paper and allied products had the largest decline.

Shipments

Shipments of durable goods in October decreased $2.4 billion or 1.1 percent to $211.7 billion, revised from the previously published 0.8 percent decrease.

Transportation equipment had the largest decrease, $2.6 billion or 5.3 percent to $46.1 billion, mostly due to aircraft and parts and motor vehicles and parts. Electronic and other electrical equipment decreased $0.5 billion or 1.2 percent to $41.1 billion. Industrial machinery and equipment increased $0.7 billion or 1.6 percent to $44.0 billion.

Shipments of nondurable goods increased $0.1 billion or 0.1 percent to $166.0 billion.

Unfilled Orders

Unfilled orders for durable goods in October decreased $3.4 billion or 0.6 percent to $558.9 billion, unrevised from the previously published 0.6 percent decrease. This is the largest decrease since June 1999.

Electronic and other electrical equipment had the largest decrease, $2.1 billion or 2.1 percent to $99.9 billion, mostly due to electronic components. Transportation equipment, led by aircraft and parts, decreased $1.3 billion or 0.5 percent to $247.5 billion. Primary metals, down eleven of the last twelve months, decreased $0.2 billion or 0.6 percent to $30.4 billion. Instruments and related products, up for the first time since June, increased $0.3 billion or 0.6 percent to $48.7 billion.

Inventories

Inventories of durable goods in October increased $2.5 billion or 0.8 percent to $307.8 billion. This is the seventh consecutive increase.

Electronic and other electrical equipment had the largest increase, $1.0 billion or 2.1 percent to $47.0 billion. This is the largest increase since December 1999. Industrial machinery and equipment, up seven consecutive months, increased $0.7 billion or 1.1 percent to $63.2 billion.

Inventories of nondurable goods, up fifteen of the last sixteen months, increased $0.5 billion or 0.3 percent to $184.0 billion.

By stage of fabrication, October finished goods increased 2.0 percent in durables and 0.5 percent in nondurables. Work in process increased 0.2 percent in durables and 2.2 percent in nondurables. Materials and supplies increased 0.4 percent in durables and decreased 0.9 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for November is scheduled for December 22, 2000 at 8:30 a.m. and the full report on January 4, 2001 at 10:00 a.m. For sale by the Superintendent of Documents, U.S Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www.stat-usa.gov.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct. 00/99	2000[p]	1999
All manufacturing industries	377,720	380,025	380,780	-0.6	-0.2	+0.8	384,545	407,432	382,021	369,691	+4.0	3,772,807	3,528,8
Manufacturing industries													
with unfilled orders	216,654	218,409	219,279	-0.8	-0.4	+1.1	217,900	238,125	217,055	207,995	+4.8	2,149,019	2,006,4
without defense capital goods	371,459	373,647	374,527	-0.6	-0.2	+0.9	378,325	400,646	376,085	363,160	+4.2	3,710,240	3,464,6
Durable goods industries	211,744	214,165	214,018	-1.1	+0.1	+0.9	214,029	233,636	210,451	206,861	+3.5	2,116,848	1,994,3
With unfilled orders	177,680	179,044	179,956	-0.8	-0.5	+1.4	177,789	196,487	176,261	168,935	+5.2	1,757,741	1,633,1
Stone, clay, and glass products	8,791	8,741	8,867	+0.6	-1.4	+0.9	9,256	9,171	9,377	9,442	-2.0	89,121	86,9
Primary metals	15,516	15,731	15,842	-1.4	-0.7	-0.5	15,770	16,234	15,900	15,539	+1.5	160,655	148,8
Blast furnaces, steel mills	5,740	5,715	5,925	+0.4	-3.5	-1.8	5,799	5,775	5,971	6,024	-3.7	61,092	57,3
Iron and steel foundries	1,404	1,408	1,431	-0.3	-1.6	-2.7	1,477	1,481	1,452	1,554	-5.0	14,868	15,5
Nonferrous and other primary metals	8,372	8,608	8,486	-2.7	+1.4	+0.8	8,494	8,978	8,477	7,961	+6.7	84,695	75,9
Fabricated metal products	20,073	20,192	20,545	-0.6	-1.7	+0.8	21,040	21,266	21,222	21,336	-1.4	206,334	205,9
Industrial machinery and equipment	43,963	43,276	43,617	+1.6	-0.8	-1.3	42,530	47,984	40,645	38,305	+11.0	423,680	376,3
Engines and turbines	2,588	2,629	2,728	-1.6	-3.6	+0.5	2,395	2,920	2,479	2,526	-5.2	25,831	24,3
Farm and garden machinery	1,886	2,072	2,098	-9.0	-1.2	-1.9	1,609	1,849	1,690	1,402	+14.8	21,576	19,1
Construction, mining and material handling equipment	3,913	3,849	3,898	+1.7	-1.3	-2.6	3,768	3,845	3,685	3,636	+3.6	40,254	39,0
Metalworking machinery	3,754	3,828	3,890	-1.9	-1.6	+1.9	4,163	4,457	3,723	4,486	-7.2	37,353	35,9
Computer and office equipment	15,378	14,873	14,646	+3.4	+1.5	-3.2	14,101	18,348	13,407	11,468	+23.0	138,727	113,3
Electronic and other electrical equipment	41,098	41,585	41,176	-1.2	+1.0	+1.0	40,249	47,812	39,559	34,795	+15.7	394,703	335,4
Electrical transmission and distribution equipment and industrial apparatus	4,087	4,159	4,166	-1.7	-0.2	-0.2	3,834	4,781	4,101	3,602	+6.4	41,643	38,2
Household appliances	2,307	2,396	2,347	-3.7	+2.1	+2.3	2,212	2,550	2,318	2,302	-3.9	24,104	23,5
Electric lighting and wiring equipment	2,607	2,578	2,595	+1.1	-0.7	-2.8	2,511	2,888	2,573	2,433	+3.2	25,566	23,7
Household audio and video equipment	1,128	1,074	1,136	+5.0	-5.5	-7.5	1,385	1,237	1,197	1,266	+9.4	11,465	10,4
Communications equipment	10,629	10,733	10,391	-1.0	+3.3	+2.4	9,727	12,839	9,129	7,985	+21.8	98,716	80,6
Electronic components	18,387	18,594	18,338	-1.1	+1.4	+1.1	18,425	21,098	18,019	14,757	+24.9	172,184	136,4
Transportation equipment	46,067	48,646	47,649	-5.3	+2.1	+2.1	48,496	52,314	47,448	51,055	-5.0	482,490	485,5
Motor vehicles and parts	31,846	32,821	31,994	-3.0	+2.6	-3.0	34,815	34,942	32,199	36,628	-4.9	334,221	335,7
Aircraft, missiles, space vehicles, and parts	10,536	11,992	12,063	-12.1	-0.6	+17.5	9,965	13,108	11,562	11,112	-10.3	110,557	115,2
Shipbuilding and tanks	1,162	1,015	1,152	+14.5	-11.9	-2.6	1,146	1,046	1,151	943	+21.5	10,766	9,8
Instruments and related products	15,540	15,574	15,476	-0.2	+0.6	+4.3	15,233	17,286	14,988	14,506	+5.0	149,692	143,1
Search and navigation equipment	2,961	3,046	3,083	-2.8	-1.2	+2.7	2,853	3,360	2,982	3,080	-7.4	30,162	31,1
Measuring and controlling devices	5,320	5,347	5,051	-0.5	+5.9	+6.5	5,247	5,866	4,971	4,349	+20.6	49,055	41,5
Medical instruments and supplies	4,859	4,779	4,868	+1.7	-1.8	+3.6	4,657	5,388	4,680	4,575	+1.8	46,470	47,4
Photographic goods	1,880	1,896	1,947	-0.8	-2.6	+4.2	1,967	2,149	1,824	2,012	-2.2	18,857	18,0
All other durable goods	20,696	20,420	20,846	+1.4	-2.0	+1.2	21,455	21,569	21,312	21,883	-2.0	210,173	212,0
Nondurable goods industries	165,976	165,860	166,762	+0.1	-0.5	+0.8	170,516	173,796	171,570	162,830	+4.7	1,655,959	1,534,4
With unfilled orders	38,974	39,365	39,323	-1.0	+0.1	-0.1	40,111	41,638	40,794	39,060	+2.7	391,278	373,2
Food and kindred products	42,752	42,595	42,852	+0.4	-0.6	+0.8	44,181	44,486	43,727	43,792	+0.9	423,939	416,0
Meat products	9,862	9,775	9,939	+0.9	-1.7	+0.7	9,985	9,911	10,250	9,700	+2.9	97,028	88,8
Dairy products	6,155	6,276	6,245	-1.9	+0.5	-0.8	6,024	6,565	6,261	6,283	-4.1	62,265	64,2
Beverages	6,810	6,816	6,680	-0.1	+2.0	+1.7	6,847	7,051	7,173	6,466	+5.9	67,416	63,9
All other foods, except fats and oils	18,044	17,979	18,217	+0.4	-1.3	+0.9	19,444	19,210	18,272	19,441	0.0	179,300	180,5
Tobacco products	4,356	4,307	4,575	+1.1	-5.9	+2.2	4,405	4,029	4,822	4,522	-2.6	44,010	41,9
Textile mill products	6,286	6,276	6,370	+0.2	-1.5	-2.1	6,595	6,816	6,719	7,003	-5.8	64,970	65,8
Broadwoven fabrics and other textiles	3,499	3,538	3,608	-1.1	-1.9	-1.3	3,524	3,875	3,721	3,698	-4.7	36,252	37,3
Paper and allied products	14,294	14,480	14,394	-1.3	+0.6	-1.0	14,526	14,900	14,651	14,081	+3.2	145,083	136,3
Pulp, paper, and paperboard mill products	5,662	5,699	5,679	-0.6	+0.4	-2.3	5,701	5,810	5,781	5,334	+6.9	57,769	52,3
Paperboard containers and boxes	3,823	3,785	3,881	+1.0	-2.5	+0.1	3,954	3,831	3,991	3,792	+4.3	39,257	34,3
Miscellaneous converted paper products	4,809	4,996	4,834	-3.7	+3.4	-0.3	4,871	5,259	4,879	4,955	-1.7	48,057	49,6
Chemicals and allied products	36,889	36,668	37,072	+0.6	-1.1	+1.3	36,403	38,256	36,925	35,055	+3.8	366,992	343,2
Industrial chemicals	15,971	15,911	16,125	+0.4	-1.3	+0.7	15,876	16,157	16,145	15,879	0.0	160,757	151,8
Drugs, soaps, and toiletries	17,102	16,965	17,060	+0.8	-0.6	+2.5	17,206	18,806	17,215	15,849	+8.6	165,874	151,2
Petroleum and coal products	20,526	20,360	19,815	+0.8	+2.8	+0.5	21,515	21,435	20,858	16,531	+30.1	196,671	137,3
Rubber and plastics products	14,200	14,228	14,531	-0.2	-2.1	+0.6	14,643	14,701	14,853	14,358	+2.0	146,501	137,8
All other nondurable goods	26,673	26,946	27,153	-1.0	-0.8	+1.8	28,248	29,173	29,015	27,488	+2.8	267,793	255,9

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct. 00/99	2000[p]	1999
All manufacturing industries	373,911	386,647	382,368	-3.3	+1.1	+2.0	382,306	409,121	381,043	373,387	+2.4	3,822,722	3,540,719
Manufacturing industries with unfilled orders	212,845	225,031	220,867	-5.4	+1.9	+3.0	215,661	239,814	216,077	211,691	+1.9	2,198,934	2,018,292
without defense capital goods	367,098	380,610	375,062	-3.6	+1.5	+1.7	375,919	402,717	375,481	365,349	+2.9	3,745,901	3,481,407
Durable goods industries	208,302	220,651	215,860	-5.6	+2.2	+2.9	212,864	236,004	210,141	210,891	+0.9	2,167,158	2,004,265
With unfilled orders	174,238	185,530	181,798	-6.1	+2.1	+3.7	176,624	198,855	175,951	172,965	+2.1	1,808,051	1,643,078
Stone, clay, and glass products	8,823	8,670	8,803	+1.8	-1.5	+0.5	9,257	9,078	9,249	9,496	-2.5	89,032	86,953
Primary metals	15,326	15,756	15,430	-2.7	+2.1	-1.1	14,914	15,673	15,172	15,049	-0.9	158,434	150,709
Blast furnaces, steel mills	5,408	5,679	5,640	-4.8	+0.7	-0.8	5,157	5,415	5,533	5,796	-11.0	58,836	58,426
Iron and steel foundries	1,456	1,305	1,365	+11.6	-4.4	-11.1	1,503	1,271	1,386	1,534	-2.0	14,998	14,886
Nonferrous and other primary metals	8,462	8,772	8,425	-3.5	+4.1	+0.6	8,254	8,987	8,253	7,719	+6.9	84,600	77,397
Fabricated metal products	20,172	20,291	20,587	-0.6	-1.4	+1.7	20,892	21,073	21,257	20,860	+0.2	206,792	205,149
Industrial machinery and equipment	43,851	43,387	45,623	+1.1	-4.9	-0.4	42,891	47,689	42,917	39,045	+9.9	434,186	382,870
Engines and turbines	2,379	3,154	3,274	-24.6	-3.7	-18.0	2,406	3,857	3,261	3,055	-21.2	31,370	30,214
Construction, mining and material handling equipment	3,831	4,023	3,865	-4.8	+4.1	+0.2	3,737	3,960	3,422	3,545	+5.4	39,977	37,665
Metalworking machinery	3,421	3,990	3,966	-14.3	+0.6	+10.4	3,830	4,619	3,799	4,408	-13.1	37,331	36,533
Computer and office equipment	15,711	14,483	15,725	+8.5	-7.9	+4.7	14,478	17,558	14,741	11,332	+27.8	139,927	113,674
Electronic and other electrical equipment	38,955	43,232	39,858	-9.9	+8.5	+4.5	41,688	47,960	37,214	40,323	+3.4	413,636	357,375
Electrical transmission and distribution equipment and industrial apparatus	4,233	4,201	4,043	+0.8	+3.9	-2.7	4,072	4,602	4,055	3,835	+6.2	42,386	39,020
Electric lighting and wiring equipment	2,700	2,277	2,537	+18.6	-10.2	-7.5	2,604	2,587	2,515	2,514	+3.6	25,652	23,859
Communications equipment	10,402	11,004	10,015	-5.5	+9.9	-2.4	10,122	13,985	8,319	10,991	-7.9	103,206	85,378
Electronic components	16,393	19,928	17,256	-17.7	+15.5	+13.7	19,094	20,503	16,034	16,682	+14.5	184,381	152,958
Transportation equipment	44,729	53,309	49,441	-16.1	+7.8	+7.1	46,298	56,129	48,619	49,951	-7.3	502,480	466,703
Aircraft, missiles, space vehicles, and parts	9,332	16,945	14,615	-44.9	+15.9	+47.2	8,039	17,291	13,398	9,935	-19.1	132,635	100,559
Shipbuilding and tanks	1,280	1,157	619	+10.6	+86.9	-24.0	1,224	1,290	580	948	+29.1	9,697	8,804
Instruments and related products	15,827	15,569	15,323	+1.7	+1.6	+4.5	15,454	16,938	14,639	14,045	+10.0	151,367	141,475
Search and navigation equipment	3,033	2,908	2,856	+4.3	+1.8	-0.7	2,640	3,076	2,478	2,623	+0.6	30,203	29,568
Measuring and controlling devices	5,579	5,362	5,127	+4.0	+4.6	+5.9	5,506	5,881	5,047	4,089	+34.7	49,855	41,273
Medical instruments and supplies	4,791	4,900	4,845	-2.2	+1.1	+7.0	4,810	5,325	4,735	4,813	-0.1	47,307	47,766
All other durable goods	20,619	20,437	20,795	+0.9	-1.7	+1.6	21,470	21,464	21,074	22,122	-2.9	211,231	213,081
Nondurable goods industries	165,609	165,996	166,508	-0.2	-0.3	+0.8	169,442	173,117	170,902	162,496	+4.3	1,655,564	1,536,454
With unfilled orders	38,607	39,501	39,069	-2.3	+1.1	-0.1	39,037	40,959	40,126	38,726	+0.8	390,883	375,214

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Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a t dollar increase from the prior month to the current month.

ote: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling ror cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, rrent Industrial Reports: M3-1(97), "Manufacturers' Shipments, Inventories, and Orders: 1987-1997."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Perce Chang
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct 00/9
All manufacturing industries..	583,990	587,799	581,177	-0.6	+1.1	+0.3	582,606	584,845	583,156	524,929	+1
Manufacturing industries without defense capital goods	474,768	479,129	472,166	-0.9	+1.5	+0.1	474,712	477,118	475,047	434,042	+
Durable goods industries.....	558,933	562,375	555,889	-0.6	+1.2	+0.3	558,089	559,254	556,886	499,979	+1
Stone, clay, and glass products.	6,257	6,225	6,296	+0.5	-1.1	-1.0	6,148	6,147	6,240	6,101	+
Primary metals.....	30,393	30,583	30,558	-0.6	+0.1	-1.3	28,900	29,756	30,317	30,704	-
Blast furnaces, steel mills	11,215	11,547	11,583	-2.9	-0.3	-2.4	10,377	11,019	11,379	12,099	-1
Iron and steel foundries	4,949	4,897	5,000	+1.1	-2.1	-1.3	4,794	4,768	4,978	4,718	+
Nonferrous and other primary metals..	14,229	14,139	13,975	+0.6	+1.2	-0.4	13,729	13,969	13,960	13,887	-
Fabricated metal products	25,419	25,320	25,221	+0.4	+0.4	+0.2	25,206	25,354	25,547	24,587	+
Industrial machinery and equipment	92,100	92,212	92,101	-0.1	+0.1	+2.2	91,733	91,372	91,667	80,953	+1
Engines and turbines	29,956	30,165	29,640	-0.7	+1.8	+1.9	30,337	30,326	29,389	24,584	+2
Construction, mining and material handling equipment	8,681	8,763	8,589	-0.9	+2.0	-0.4	8,302	8,333	8,218	8,245	+
Metalworking machinery	6,468	6,801	6,639	-4.9	+2.4	+1.2	6,468	6,801	6,639	7,054	-
Computer and office equipment	9,824	9,491	9,881	+3.5	-3.9	+12.3	9,881	9,504	10,294	8,312	+1
Electronic and other electrical equipment	99,861	102,004	100,357	-2.1	+1.6	-1.3	102,620	101,181	101,033	79,706	+2
Electrical transmission and distribution equipment and industrial apparatus	7,665	7,519	7,477	+1.9	+0.6	-1.6	7,639	7,401	7,580	6,918	+1
Electric lighting and wiring equipment	5,118	5,025	5,326	+1.9	-5.7	-1.1	5,118	5,025	5,326	5,090	+
Communications equipment	29,880	30,107	29,836	-0.8	+0.9	-1.2	30,113	29,718	28,572	21,749	+3
Electronic components	50,167	52,161	50,827	-3.8	+2.6	-2.1	52,671	52,002	52,597	40,178	+3
Transportation equipment	247,524	248,862	244,199	-0.5	+1.9	+0.7	246,372	248,570	244,755	223,753	+1
Aircraft, missiles, space vehicles, and parts	213,583	214,787	209,834	-0.6	+2.4	+1.2	212,586	214,512	210,329	189,294	+1
Shipbuilding and tanks	18,400	18,282	18,140	+0.6	+0.8	-2.9	18,459	18,381	18,137	18,276	+
Instruments and related products	48,672	48,385	48,390	+0.6	0.0	-0.3	48,171	47,950	48,298	45,494	+
Search and navigation equipment	26,025	25,953	26,091	+0.3	-0.5	-0.9	25,461	25,674	25,958	24,827	+
Measuring and controlling devices	10,932	10,673	10,658	+2.4	+0.1	+0.7	10,932	10,673	10,658	9,917	+1
Medical instruments and supplies	10,793	10,861	10,740	-0.6	+1.1	-0.2	10,872	10,719	10,782	9,865	+1
All other durable goods.....	8,707	8,784	8,767	-0.9	+0.2	-0.6	8,939	8,924	9,029	8,681	+
Nondurable goods industries.	25,057	25,424	25,288	-1.4	+0.5	-1.0	24,517	25,591	26,270	24,950	

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revision

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct. 00/99
All manufacturing industries	491,857	488,884	487,644	+0.6	+0.3	+0.3	493,305	487,743	491,512	468,752	+5.2
Manufacturing industries											
with unfilled orders	324,685	322,376	321,553	+0.7	+0.3	+0.5	325,067	321,889	326,006	309,363	+5.1
without defense capital goods	473,014	469,959	469,014	+0.7	+0.2	+0.3	474,407	468,489	472,543	450,164	+5.4
Durable goods industries	307,808	305,333	305,162	+0.8	+0.1	+0.5	308,070	304,219	308,777	293,439	+5.0
With unfilled orders	281,674	279,492	279,026	+0.8	+0.2	+0.5	282,249	278,886	282,821	268,868	+5.0
Stone, clay, and glass products	10,288	10,301	10,227	-0.1	+0.7	+0.7	9,943	10,134	10,201	9,512	+4.5
Primary metals	25,189	25,150	25,122	+0.2	+0.1	-0.4	25,093	25,126	25,221	23,819	+5.3
Blast furnaces, steel mills	12,232	12,244	12,257	-0.1	-0.1	-0.9	12,249	12,285	12,343	11,384	+7.6
Iron and steel foundries	1,620	1,612	1,612	+0.5	0.0	+0.8	1,576	1,574	1,584	1,533	+2.8
Nonferrous and other primary metals	11,337	11,294	11,253	+0.4	+0.4	0.0	11,268	11,267	11,294	10,902	+3.4
Fabricated metal products	32,662	32,629	32,779	+0.1	-0.5	+0.7	32,407	32,427	32,821	31,094	+4.2
Industrial machinery and equipment	63,169	62,466	62,311	+1.1	+0.2	+0.6	63,240	61,948	63,223	59,757	+5.8
Engines and turbines	5,003	4,768	4,781	+4.9	-0.3	+0.1	5,164	4,728	5,023	4,674	+10.5
Farm and garden machinery	3,764	3,713	3,891	+1.4	-4.6	+2.1	3,570	3,430	3,607	3,479	+2.6
Construction, mining and material handling equipment	8,986	9,019	9,010	-0.4	+0.1	+0.8	8,910	8,903	8,916	8,769	+1.6
Metalworking machinery	8,396	8,319	8,355	+0.9	-0.4	+0.4	8,517	8,516	8,775	8,217	+3.7
Computer and office equipment	8,869	8,776	8,736	+1.1	+0.5	+1.6	8,931	8,690	9,405	8,578	+4.1
Electronic and other electrical equipment	46,978	46,009	46,230	+2.1	-0.5	+0.7	47,106	45,358	47,101	42,241	+11.5
Electrical transmission and distribution equipment and industrial apparatus	5,776	5,671	5,720	+1.9	-0.9	+2.8	5,827	5,589	5,716	5,349	+8.9
Household appliances	2,709	2,661	2,682	+1.8	-0.8	+0.1	2,641	2,520	2,637	2,359	+12.0
Electric lighting and wiring equipment	4,072	4,084	4,114	-0.3	-0.7	+0.6	4,140	4,063	4,210	3,843	+7.7
Household audio and video equipment	1,234	1,200	1,185	+2.8	+1.3	+3.6	1,284	1,285	1,298	1,107	+16.0
Communications equipment	11,889	11,555	12,089	+2.9	-4.4	+1.5	11,947	11,437	12,448	11,222	+6.5
Electronic components	16,919	16,533	16,242	+2.3	+1.8	-0.7	16,904	16,177	16,442	14,723	+14.8
Transportation equipment	69,686	69,342	69,259	+0.5	+0.1	0.0	70,241	69,793	70,183	70,908	-0.9
Motor vehicles and parts	19,011	18,945	18,808	+0.3	+0.7	+0.4	18,930	19,009	19,200	17,559	+7.8
Aircraft, missiles, space vehicles, and parts	44,234	44,155	44,141	+0.2	0.0	-0.5	44,924	44,635	44,573	47,129	-4.7
Shipbuilding and tanks	2,574	2,519	2,411	+2.2	+4.5	0.0	2,500	2,500	2,395	2,169	+15.3
Instruments and related products	28,193	27,976	27,968	+0.8	0.0	+0.4	28,336	27,966	28,617	27,197	+4.2
Search and navigation equipment	6,741	6,751	6,762	-0.1	-0.2	+0.4	6,751	6,758	6,946	6,960	-3.0
Measuring and controlling devices	9,326	9,154	9,092	+1.9	+0.7	+1.3	9,321	9,145	9,335	8,183	+13.9
Medical instruments and supplies	8,939	8,893	8,952	+0.5	-0.7	-0.6	8,981	8,812	9,115	8,870	+1.3
Photographic goods	2,450	2,439	2,427	+0.5	+0.5	+1.1	2,542	2,518	2,483	2,442	+4.1
All other durable goods	31,643	31,460	31,266	+0.6	+0.6	+1.4	31,704	31,467	31,410	28,911	+9.7
Nondurable goods industries	184,049	183,551	182,482	+0.3	+0.6	-0.1	185,235	183,524	182,735	175,313	+5.7
With unfilled orders	43,011	42,884	42,527	+0.3	+0.8	+0.5	42,818	43,003	43,185	40,495	+5.7
Food and kindred products	38,280	38,171	38,565	+0.3	-1.0	-0.9	40,231	38,710	38,177	40,938	-1.7
Meat products	4,678	4,655	4,616	+0.5	+0.8	0.0	4,690	4,581	4,520	4,487	+4.5
Dairy products	3,798	3,862	3,855	-1.7	+0.2	-1.1	3,795	3,835	3,915	3,943	-3.8
Beverages	8,957	8,911	8,843	+0.5	+0.8	+0.6	9,166	9,007	8,623	8,875	+3.3
All other foods, except fats and oils	19,224	19,209	19,744	+0.1	-2.7	-1.7	20,831	19,880	19,751	21,821	-4.5
Tobacco products	5,223	5,407	5,336	-3.4	+1.3	-0.3	5,404	5,292	4,955	5,366	+0.7
Textile mill products	10,497	10,495	10,461	0.0	+0.3	+0.3	10,324	10,378	10,531	9,900	+4.3
Broadwoven fabrics and other textiles	6,106	6,088	6,085	+0.3	0.0	+0.3	6,015	5,965	6,104	5,992	+0.4
Paper and allied products	17,225	17,270	17,342	-0.3	-0.4	+0.2	16,947	17,130	17,331	15,889	+6.7
Pulp, paper, and paperboard mill products	6,722	6,794	6,814	-1.1	-0.3	0.0	6,615	6,747	6,803	6,214	+6.5
Paperboard containers and boxes	4,505	4,508	4,528	-0.1	-0.4	-0.3	4,416	4,479	4,515	4,164	+6.1
Miscellaneous converted paper products	5,998	5,968	6,000	+0.5	-0.5	+0.9	5,916	5,904	6,013	5,511	+7.3
Chemicals and allied products	51,012	50,924	50,412	+0.2	+1.0	+0.2	50,579	50,364	50,515	46,352	+9.1
Industrial chemicals	20,443	20,636	20,554	-0.9	+0.4	-1.0	20,144	20,646	20,581	18,977	+6.1
Drugs, soaps, and toiletries	24,527	24,283	23,945	+1.0	+1.4	+1.1	24,572	23,994	24,321	21,707	+13.2
Petroleum and coal products	14,580	14,431	14,045	+1.0	+2.7	-0.9	14,852	14,686	14,182	12,284	+20.9
Rubber and plastics products	18,758	18,662	18,626	+0.5	+0.2	+0.3	18,449	18,351	18,472	17,389	+6.1
All other nondurable goods	28,474	28,191	27,695	+1.0	+1.8	+0.8	28,449	28,613	28,572	27,195	+4.6

Preliminary [r] Revised

·e note at end of Table 2 relating to survey error and revision

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted[2]						
	Monthly			Percent Change			Monthly				Percent Change Oct. 00/99	Year to date	
	Oct. 2000p	Sept. 2000r	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000p	Sept. 2000r	Aug. 2000	Oct. 1999		2000p	1999
SHIPMENTS													
All manufacturing industries	377,720	380,025	380,780	-0.6	-0.2	+0.8	384,545	407,432	382,021	369,691	+4.0	3,772,807	3,528,8
Market categories:													
Automotive equipment	15,881	16,471	15,859	-3.6	+3.9	-2.4	17,369	17,935	15,991	17,940	-3.2	165,946	163,8
Home goods and apparel	20,448	20,283	20,870	+0.8	-2.8	+0.8	22,100	22,266	22,027	21,987	+0.5	209,014	200,2
Consumer staples	81,055	80,840	80,979	+0.3	-0.2	+1.1	83,014	85,264	83,229	78,185	+6.2	796,940	732,2
Machinery and equipment	73,935	74,970	74,971	-1.4	0.0	+2.6	72,327	83,835	70,949	68,189	+6.1	727,270	672,8
Business supplies	28,624	28,663	28,634	-0.1	+0.1	+0.8	29,488	29,972	29,018	27,723	+6.4	282,101	263,9
Construction materials and supplies	22,934	22,909	23,094	+0.1	-0.8	+0.6	23,766	24,288	24,274	24,243	-2.0	235,031	232,1
Defense products	6,465	6,561	6,535	-1.5	+0.4	-2.7	6,392	6,967	6,245	6,741	-5.2	64,917	66,6
Other materials, supplies and intermediate products	128,378	129,328	129,838	-0.7	-0.4	+0.4	130,089	136,905	130,288	124,683	+4.3	1,291,588	1,196,9
Durable goods industries:													
Nondefense capital goods [3]	62,042	62,826	62,832	-1.2	0.0	+3.4	58,958	71,655	58,678	53,981	+9.2	600,457	540,2
Excluding aircraft and parts	54,764	54,247	53,962	+1.0	+0.5	0.0	52,282	62,136	50,153	46,414	+12.6	522,928	459,1
Defense capital goods [4]	6,261	6,378	6,253	-1.8	+2.0	-4.5	6,220	6,786	5,936	6,531	-4.8	62,567	64,1
Durables excluding capital goods	143,441	144,961	144,933	-1.0	0.0	+0.1	148,851	155,195	145,837	146,349	+1.7	1,453,824	1,389,9
Miscellaneous series:													
Producers' durable equipment	137,285	138,909	138,876	-1.2	0.0	+1.0	138,560	152,566	135,041	134,668	+2.9	1,372,854	1,301,2
Household durable goods	11,045	10,800	11,124	+2.3	-2.9	-0.8	11,561	11,846	11,117	11,143	+3.8	110,632	103,4
Information technology industries	34,062	33,736	32,926	+1.0	+2.5	+0.8	31,824	40,230	30,258	26,684	+19.3	314,081	262,9
Health care equipment and products	14,115	13,967	14,109	+1.1	-1.0	+2.9	13,974	15,559	14,007	13,172	+6.1	136,374	129,9
NEW ORDERS													
All manufacturing industries	373,911	386,647	382,368	-3.3	+1.1	+2.0	382,306	409,121	381,043	373,387	+2.4	3,822,722	3,540,7
Market categories:													
Automotive equipment	15,811	16,491	15,839	-4.1	+4.1	-2.7	17,315	17,882	16,029	17,994	-3.8	165,862	163,9
Home goods and apparel	20,450	20,237	20,910	+1.1	-3.2	+1.3	22,091	22,172	21,872	22,171	-0.4	209,507	201,2
Consumer staples	80,992	80,977	80,903	0.0	+0.1	+1.2	82,765	85,152	83,052	78,104	+6.0	796,865	732,9
Machinery and equipment	72,251	81,931	76,841	-11.8	+6.6	+2.7	70,996	89,745	72,663	67,984	+4.4	751,556	666,8
Business supplies	28,567	28,836	28,611	-0.9	+0.8	+1.1	29,220	29,850	28,944	27,580	+5.9	282,193	264,1
Construction materials and supplies	23,093	22,724	23,023	+1.6	-1.3	0.0	23,777	23,976	24,113	24,164	-1.6	235,452	232,4
Defense products	6,937	6,082	7,436	+14.1	-18.2	+19.1	6,622	6,519	5,785	8,383	-21.0	78,106	62,
Other materials, supplies and intermediate products	125,810	129,369	128,805	-2.8	+0.4	+2.4	129,520	133,825	128,585	127,007	+2.0	1,303,181	1,216,1
Durable goods industries:													
Nondefense capital goods [3]	60,239	68,494	64,993	-12.1	+5.4	+4.4	57,615	76,697	61,025	54,441	+5.8	623,006	534,8
Excluding aircraft and parts	54,896	55,639	54,801	-1.3	+1.5	-1.3	52,874	62,902	51,178	47,440	+11.5	538,170	464,2
Defense capital goods [4]	6,813	6,037	7,306	+12.9	-17.4	+20.0	6,387	6,404	5,562	8,038	-20.5	76,821	59,2
Durables excluding capital goods	141,250	146,120	143,561	-3.3	+1.8	+1.5	148,862	152,903	143,554	148,412	+0.3	1,467,331	1,410,
Miscellaneous series:													
Producers' durable equipment	135,715	146,051	140,728	-7.1	+3.8	+1.0	137,592	158,098	137,320	134,171	+2.5	1,399,414	1,294,6
Household durable goods	11,014	10,704	11,176	+2.9	-4.2	0.0	11,650	11,754	11,105	11,512	+1.2	110,901	104,2
Information technology industries	34,714	34,088	33,145	+1.8	+2.8	+2.0	32,528	40,170	30,738	26,722	+21.7	319,461	265,0
Health care equipment and products	14,047	14,088	14,086	-0.3	0.0	+4.0	14,127	15,494	14,061	13,410	+5.3	137,218	129,8

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include: ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include: ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks, and tank components; and search and navigation equipment.

See note at end of Table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct. 00/99
UNFILLED ORDERS											
All manufacturing industries	583,990	587,799	581,177	-0.6	+1.1	+0.3	582,606	584,845	583,156	524,929	+11.0
Market categories:											
Automotive equipment	2,427	2,496	2,476	-2.8	+0.8	-0.8	2,403	2,456	2,510	2,517	-4.5
Home goods and apparel	9,101	9,099	9,146	0.0	-0.5	+0.4	9,101	9,110	9,203	9,306	-2.2
Consumer staples	3,026	3,089	2,952	-2.0	+4.6	-2.5	2,990	3,240	3,352	2,964	+0.9
Machinery and equipment	264,102	265,786	258,825	-0.6	+2.7	+0.7	263,478	264,809	258,899	234,569	+12.3
Business supplies	7,415	7,472	7,298	-0.8	+2.4	-0.3	7,286	7,554	7,676	7,200	+1.2
Construction materials and supplies	17,977	17,818	18,002	+0.9	-1.0	-0.4	17,787	17,776	18,089	17,453	+1.9
Defense products	103,379	102,907	103,386	+0.5	-0.5	+0.9	102,273	102,044	102,491	86,411	+18.4
Other materials, supplies and intermediate products	176,563	179,132	179,092	-1.4	0.0	-0.6	177,288	177,856	180,936	164,509	+7.8
Durable goods industries:											
Nondefense capital goods [3]	279,593	281,396	275,728	-0.6	+2.1	+0.8	279,144	280,487	275,445	251,630	+10.9
Excluding aircraft and parts	130,909	130,777	129,385	+0.1	+1.1	+0.7	130,460	129,868	129,102	111,715	+16.8
Defense capital goods [4]	109,222	108,670	109,011	+0.5	-0.3	+1.0	107,894	107,727	108,109	90,887	+18.7
Durables excluding capital goods	170,118	172,309	171,150	-1.3	+0.7	-0.8	171,051	171,040	173,332	157,462	+8.6
Miscellaneous series:											
Producers' durable equipment	303,640	305,210	298,068	-0.5	+2.4	+0.6	303,086	304,054	298,522	272,942	+11.0
Household durable goods	5,565	5,596	5,692	-0.6	-1.7	+0.9	5,715	5,626	5,718	5,975	-4.4
Information technology industries	50,181	49,529	49,177	+1.3	+0.7	+0.4	50,227	49,523	49,583	41,203	+21.9
Health care equipment and products	10,839	10,906	10,785	-0.6	+1.1	-0.2	10,919	10,765	10,830	9,907	+10.2
TOTAL INVENTORIES											
All manufacturing industries	491,857	488,884	487,644	+0.6	+0.3	+0.3	493,305	487,743	491,512	468,752	+5.2
Market categories:											
Automotive equipment	9,556	9,471	9,485	+0.9	-0.1	+0.4	9,516	9,412	9,780	8,837	+7.7
Home goods and apparel	33,988	33,735	33,377	+0.7	+1.1	+1.4	33,666	33,839	34,068	31,132	+8.1
Consumer staples	80,419	80,199	79,691	+0.3	+0.6	-0.1	82,513	80,474	79,555	77,973	+5.8
Machinery and equipment	117,716	116,472	117,303	+1.1	-0.7	+0.7	118,386	115,864	119,023	116,538	+1.6
Business supplies	30,207	30,023	29,816	+0.6	+0.7	+0.8	30,402	30,325	30,209	28,485	+6.7
Construction materials and supplies	32,265	32,131	32,138	+0.4	0.0	+0.4	31,969	31,872	32,207	29,885	+7.0
Defense products	18,306	18,415	18,120	-0.6	+1.6	-0.4	18,349	18,695	18,394	18,246	+0.6
Other materials, supplies and intermediate products	169,400	168,438	167,714	+0.6	+0.4	-0.1	168,504	167,262	168,276	157,656	+6.9
Durable goods industries:											
Nondefense capital goods [3]	108,750	107,441	108,009	+1.2	-0.5	+0.7	109,682	107,123	109,836	107,775	+1.8
Excluding aircraft and parts	76,815	75,647	75,915	+1.5	-0.4	+1.4	77,170	75,162	77,542	72,720	+6.1
Defense capital goods [4]	18,843	18,925	18,630	-0.4	+1.6	+0.2	18,898	19,254	18,969	18,588	+1.7
Durables excluding capital goods	180,215	178,967	178,523	+0.7	+0.2	+0.4	179,490	177,842	179,972	167,076	+7.4
Miscellaneous series:											
Producers' durable equipment	198,508	196,689	196,991	+0.9	-0.2	+1.0	199,060	196,015	199,785	190,293	+4.6
Household durable goods	18,202	18,083	17,864	+0.7	+1.2	+2.6	18,198	18,113	18,230	16,284	+11.8
Information technology industries	35,462	34,803	35,160	+1.9	-1.0	+1.4	35,665	34,637	36,546	33,286	+7.1
Health care equipment and products	22,199	22,023	21,903	+0.8	+0.5	+0.4	22,262	21,787	22,266	20,623	+7.9

[p] Preliminary [r] Revised

See footnotes at end of Table 5

See note at end of Table 2 relating to survey error and revisions.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percen Change
	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Sept. - Oct.	Aug. - Sept.	July - Aug.	Oct. 2000[p]	Sept. 2000[r]	Aug. 2000	Oct. 1999	Oct. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	163,545	163,746	163,648	-0.1	+0.1	+0.5	163,720	164,183	164,023	154,549	+5
Durable goods industries	99,618	99,208	99,430	+0.4	-0.2	+1.0	99,979	99,878	100,271	93,306	+7
Stone, clay, and glass products	3,408	3,419	3,418	-0.3	0.0	+0.8	3,402	3,456	3,451	3,277	+3
Primary metals	7,975	7,963	8,027	+0.2	-0.8	-1.0	8,120	8,081	8,101	7,621	+6
Fabricated metal products	10,913	11,038	11,215	-1.1	-1.6	-0.3	10,852	11,141	11,261	10,653	+1
Industrial machinery and equipment	21,324	21,695	21,715	-1.7	-0.1	+2.4	21,250	22,048	22,065	19,792	+7
Electronic and other electrical equipment	19,148	18,834	18,997	+1.7	-0.9	+1.8	19,166	18,698	19,256	16,469	+16
Transportation equipment	15,525	15,084	15,056	+2.9	+0.2	-0.1	15,462	15,077	15,013	15,129	+2
Instruments and related products	9,776	9,601	9,382	+1.8	+2.3	-0.2	9,817	9,632	9,507	9,181	+6
Lumber, furniture and miscellaneous durable goods	11,549	11,574	11,620	-0.2	-0.4	+2.1	11,910	11,745	11,617	11,184	+6
Nondurable goods industries	63,927	64,538	64,218	-0.9	+0.5	-0.1	63,741	64,305	63,752	61,243	+4
Food and kindred products	11,417	11,398	11,359	+0.2	+0.3	-0.6	11,659	11,150	11,069	11,544	+1
Tobacco products	4,452	4,613	4,562	-3.5	+1.1	-0.1	4,493	4,529	4,330	4,680	-4
Textile mill products	3,050	3,047	3,071	+0.1	-0.8	+1.6	2,978	3,022	3,090	2,833	+5
Paper and allied products	8,039	8,065	8,079	-0.3	-0.2	-0.9	7,988	8,056	8,048	7,725	+3
Chemicals and allied products	15,815	16,209	16,110	-2.4	+0.6	-0.1	15,635	16,203	16,054	15,220	+2
Petroleum and coal products	4,198	4,301	4,281	-2.4	+0.5	+0.6	4,205	4,282	4,267	3,587	+17
Rubber and plastics products	7,612	7,632	7,683	-0.3	-0.7	-0.3	7,514	7,628	7,631	7,042	+6
Apparel, printing and publishing and leather goods	9,344	9,273	9,073	+0.8	+2.2	+0.1	9,269	9,435	9,263	8,612	+7
WORK IN PROCESS											
All manufacturing industries	145,383	144,511	144,687	+0.6	-0.1	-0.5	147,257	144,694	146,516	147,837	-0
Durable goods industries	112,592	112,413	112,626	+0.2	-0.2	-0.7	113,381	112,504	114,474	116,330	-2
Stone, clay, and glass products	1,713	1,685	1,680	+1.7	+0.3	+2.1	1,646	1,652	1,710	1,503	+9
Primary metals	8,819	8,823	8,790	0.0	+0.4	+0.6	8,746	8,803	8,857	8,136	+7
Fabricated metal products	9,365	9,241	9,337	+1.3	-1.0	0.0	9,458	9,291	9,454	9,180	+3
Industrial machinery and equipment	20,641	20,207	20,333	+2.1	-0.6	-2.4	20,868	19,972	20,763	21,714	-3
Electronic and other electrical equipment	13,265	13,225	13,859	+0.3	-4.6	-1.6	13,151	13,097	14,259	14,041	-6
Transportation equipment	42,586	42,964	42,383	-0.9	+1.4	-0.5	43,312	43,378	42,779	45,997	-5
Instruments and related products	10,184	10,215	10,305	-0.3	-0.9	+0.7	10,176	10,165	10,636	10,106	+0
Lumber, furniture and miscellaneous durable goods	6,019	6,053	5,939	-0.6	+1.9	0.0	6,024	6,146	6,016	5,653	+6
Nondurable goods industries	32,791	32,098	32,061	+2.2	+0.1	+0.1	33,876	32,190	32,042	31,507	+7
Food and kindred products	6,272	6,378	6,466	-1.7	-1.4	-0.5	6,950	6,369	5,945	7,008	-0
Tobacco products	110	99	86	+11.1	+15.1	+2.4	128	97	74	122	+4
Textile mill products	2,478	2,497	2,500	-0.8	-0.1	+1.1	2,489	2,510	2,503	2,471	+0
Paper and allied products	1,886	1,881	1,868	+0.3	+0.7	+1.4	1,805	1,864	1,878	1,645	+9
Chemicals and allied products	10,108	9,749	9,741	+3.7	+0.1	-0.4	10,234	9,671	9,939	8,970	+14
Petroleum and coal products	3,741	3,386	3,327	+10.5	+1.8	-2.5	3,858	3,427	3,371	2,966	+30
Rubber and plastics products	2,334	2,317	2,305	+0.7	+0.5	-0.1	2,352	2,324	2,308	2,277	+3
Apparel, printing and publishing and leather goods	5,862	5,791	5,768	+1.2	+0.4	+2.3	6,060	5,928	6,024	6,048	+0
FINISHED GOODS											
All manufacturing industries	182,929	180,627	179,309	+1.3	+0.7	+0.7	182,328	178,866	180,973	166,366	+9
Durable goods industries	95,598	93,712	93,106	+2.0	+0.7	+1.4	94,710	91,837	94,032	83,803	+13
Stone, clay, and glass products	5,167	5,197	5,129	-0.6	+1.3	+0.3	4,895	5,026	5,040	4,732	+3
Primary metals	8,395	8,364	8,305	+0.4	+0.7	-0.7	8,227	8,242	8,263	8,062	+2
Fabricated metal products	12,384	12,350	12,227	+0.3	+1.0	+2.1	12,097	11,995	12,106	11,261	+7
Industrial machinery and equipment	21,204	20,564	20,263	+3.1	+1.5	+1.8	21,122	19,928	20,395	18,251	+15
Electronic and other electrical equipment	14,565	13,950	13,374	+4.4	+4.3	+1.8	14,789	13,563	13,586	11,731	+26
Transportation equipment	11,575	11,294	11,820	+2.5	-4.5	+2.1	11,467	11,338	12,391	9,782	+17
Instruments and related products	8,233	8,160	8,281	+0.9	-1.5	+0.8	8,343	8,169	8,474	7,910	+5
Lumber, furniture and miscellaneous durable goods	14,075	13,833	13,707	+1.7	+0.9	+1.3	13,770	13,576	13,777	12,074	+14
Nondurable goods industries	87,331	86,915	86,203	+0.5	+0.8	0.0	87,618	87,029	86,941	82,563	+6
Food and kindred products	20,591	20,395	20,740	+1.0	-1.7	-1.2	21,622	21,191	21,163	22,386	-3
Tobacco products	661	695	688	-4.9	+1.0	-1.7	783	666	551	564	+38
Textile mill products	4,969	4,951	4,890	+0.4	+1.2	-1.0	4,857	4,846	4,938	4,596	+5
Paper and allied products	7,300	7,324	7,395	-0.3	-1.0	+1.1	7,154	7,210	7,405	6,519	+9
Chemicals and allied products	25,089	24,966	24,561	+0.5	+1.6	+0.5	24,710	24,490	24,522	22,162	+11
Petroleum and coal products	6,641	6,744	6,437	-1.5	+4.8	-1.0	6,789	6,977	6,544	5,731	+18
Rubber and plastics products	8,812	8,713	8,638	+1.1	+0.9	+0.8	8,583	8,399	8,533	8,070	+6
Apparel, printing and publishing and leather goods	13,268	13,127	12,854	+1.1	+2.1	+0.5	13,120	13,250	13,285	12,535	+4

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revisions.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio[1]			
	Oct 2000[p]	Sep 2000[r]	Aug 2000	Jul 2000	Oct 2000[p]	Sep 2000[r]	Aug 2000	Jul 2000
All manufacturing industries	1.30	1.29	1.28	1.29	2.70	2.69	2.65	2.67
Durable goods industries	1.45	1.43	1.43	1.43	3.15	3.14	3.09	3.12
Stone, clay, and glass products	1.17	1.18	1.15	1.16	0.74	0.74	0.74	0.75
Primary metals	1.62	1.60	1.59	1.58	1.96	1.94	1.93	1.95
Fabricated metal products	1.63	1.62	1.60	1.60	1.34	1.33	1.30	1.31
Industrial machinery and equipment	1.44	1.44	1.43	1.40	2.19	2.24	2.22	2.14
Electronic and other electrical equipment	1.14	1.11	1.12	1.13	2.43	2.45	2.44	2.49
Transportation equipment	1.51	1.43	1.45	1.48	10.21	9.59	9.35	9.91
Instruments and related products	1.81	1.80	1.81	1.88	3.13	3.11	3.13	3.27
Nondurable goods industries	1.11	1.11	1.09	1.10	0.64	0.65	0.64	0.65
Food and kindred products	0.90	0.90	0.90	0.92	(X)	(X)	(X)	(X)
Tobacco products	1.20	1.26	1.17	1.19	(X)	(X)	(X)	(X)
Textile mill products	1.67	1.67	1.64	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.19	1.20	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.38	1.39	1.36	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.71	0.71	0.71	0.72	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.31	1.28	1.29	(X)	(X)	(X)	(X)

[p] Preliminary [r] Revised

(X) Not Applicable (NA) Not Available

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Oct[1] 2000	Oct[2] 1995-1999	Oct 1999-Sep 2000	Oct[1] 2000	Oct[2] 1995-1999	Oct 1999-Sep 2000	Oct[1] 2000	Oct[2] 1995-1999	Oct 1999-Sep 2000	Oct[1] 2000	Oct[2] 1995-1999	Oct 1999-Sep 2000
All manufacturing industries	(X)	0.0	0.0	(X)	0.1	-0.2	(X)	0.1	-0.1	(X)	0.0	-0.1
Durable goods industries	-0.3	-0.2	0.0	-0.1	0.0	-0.3	0.0	0.1	-0.1	(X)	-0.1	0.0
Stone, clay, and glass products	(X)	-0.3	0.1	(X)	0.0	0.0	(X)	0.7	-0.2	(X)	-0.2	-0.1
Primary metals	-0.1	0.1	-0.1	0.5	-0.3	0.0	0.3	-0.2	0.1	(X)	-0.1	-0.1
Fabricated metal products	(X)	-0.1	0.1	(X)	-0.2	-0.2	(X)	0.1	-0.2	(X)	0.0	0.0
Industrial machinery and equipment	-0.3	-0.4	-0.1	-0.7	-0.4	-0.5	-0.3	0.1	-0.2	(X)	0.0	0.0
Electronic and other electrical equipment	-0.4	0.0	-0.2	0.0	1.0	-0.7	0.1	0.7	-0.3	(X)	0.0	0.0
Transportation equipment	-0.6	-0.1	0.1	-0.3	-0.3	-0.1	0.1	-0.1	0.0	(X)	-0.4	0.1
Instruments and related products	(X)	-0.1	0.1	(X)	1.4	-0.4	(X)	0.1	-0.2	(X)	0.1	0.1
Nondurable goods industries	(X)	0.2	0.0	(X)	0.3	0.0	(X)	0.4	0.1	(X)	0.0	-0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.3	0.0
Tobacco products	(X)	2.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	-0.1
Textile mill products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Paper and allied products	(X)	0.0	-0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	-0.1
Chemicals and allied products	(X)	0.0	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.1	-0.1
Petroleum and coal products	(X)	1.1	-1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	-1.0
Rubber and plastics products	(X)	-0.4	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Capital goods industries:												
Nondefense	-0.6	-0.2	0.0	-0.8	-0.5	-0.3	0.0	-0.1	0.0	(X)	-0.2	0.0
Defense	0.0	-0.7	-0.2	-0.2	-0.1	-1.7	0.0	0.0	-0.1	(X)	0.3	0.0

(X) Not Applicable (NA) Not Available

NOTE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

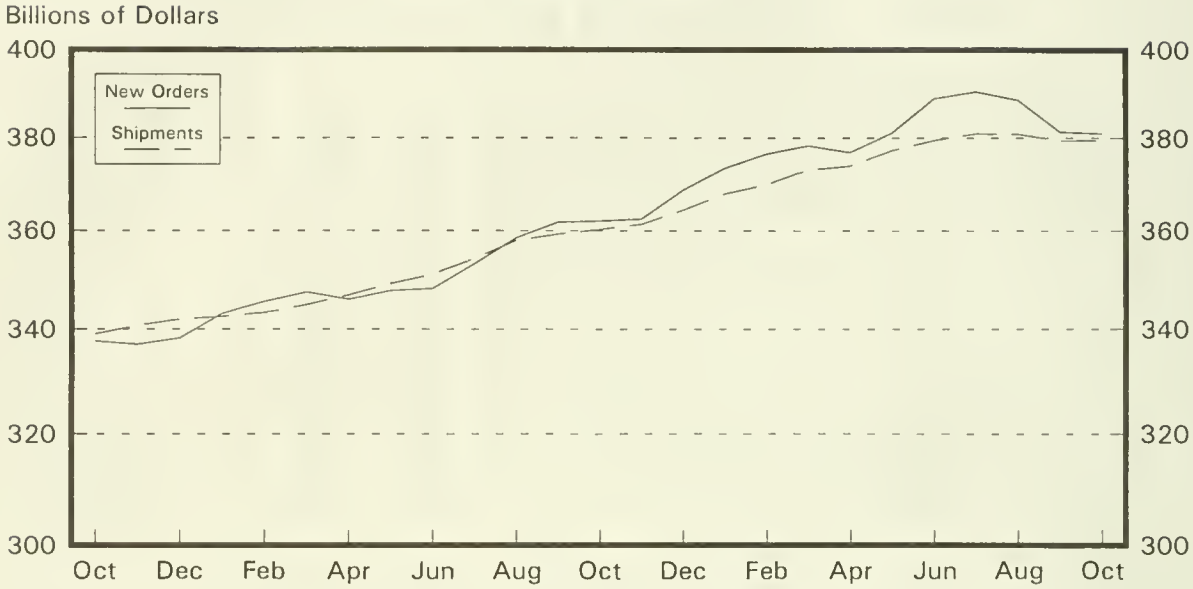
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of Table 2 relating to survey variability. In Table 9, the second column for each item represents the average revisions of the current month for the past five years.

Total Manufacturing

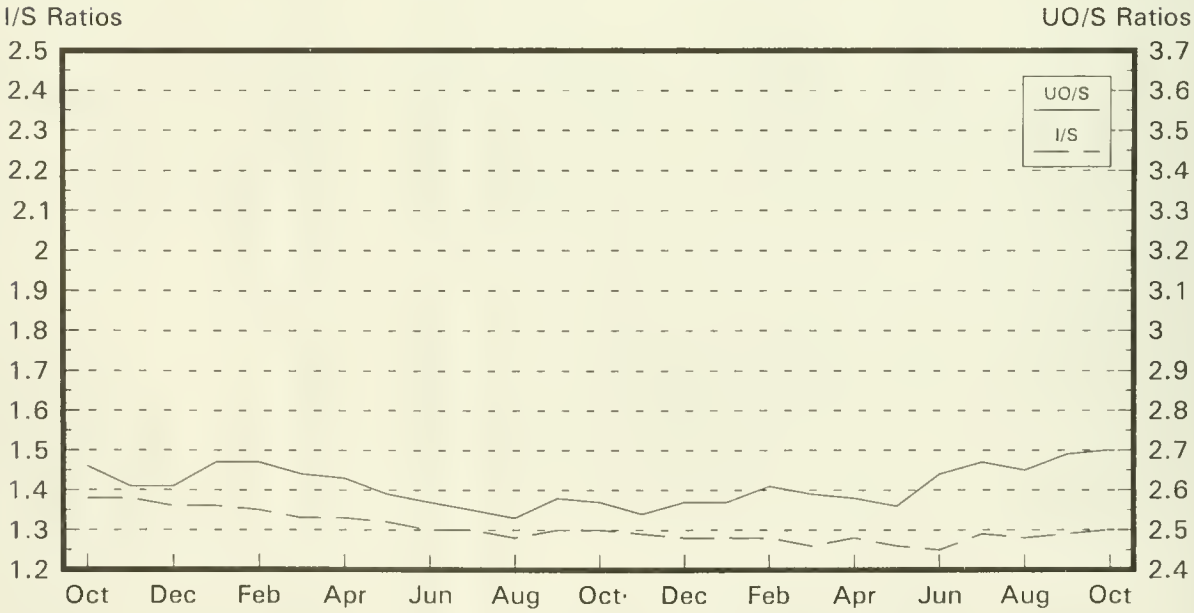
New Orders and Shipments
Three Month Moving Averages



Oct. 1998 - Oct. 2000

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

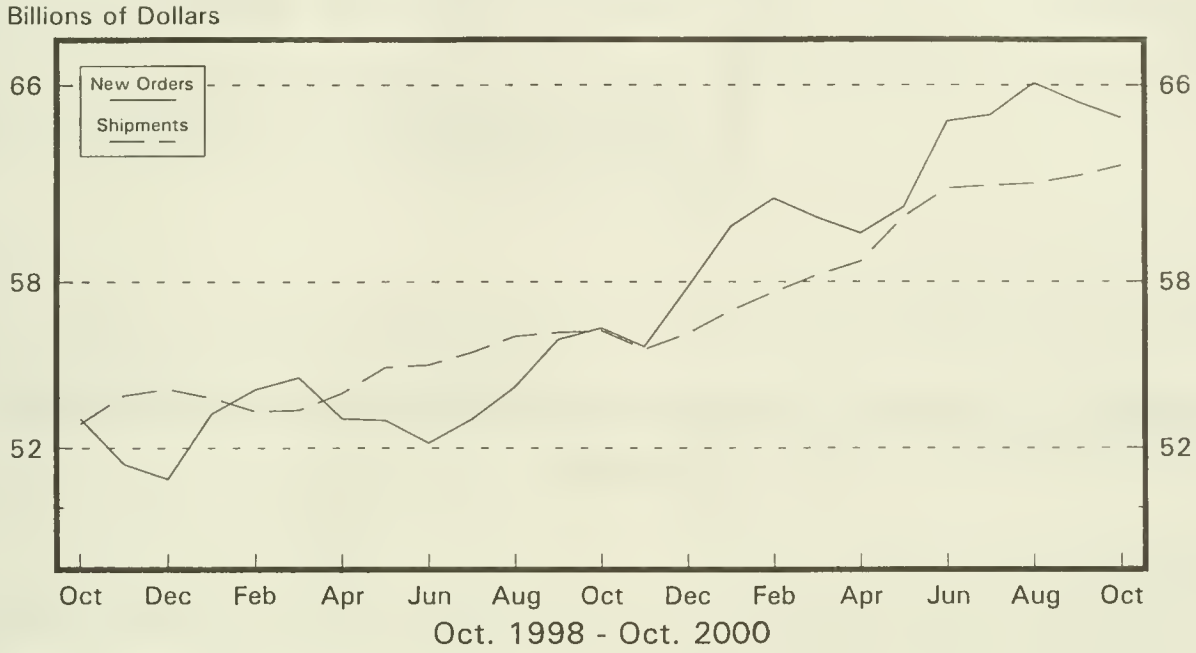


Oct. 1998 - Oct. 2000

Note: All Charts based on seasonally adjusted current dollars.

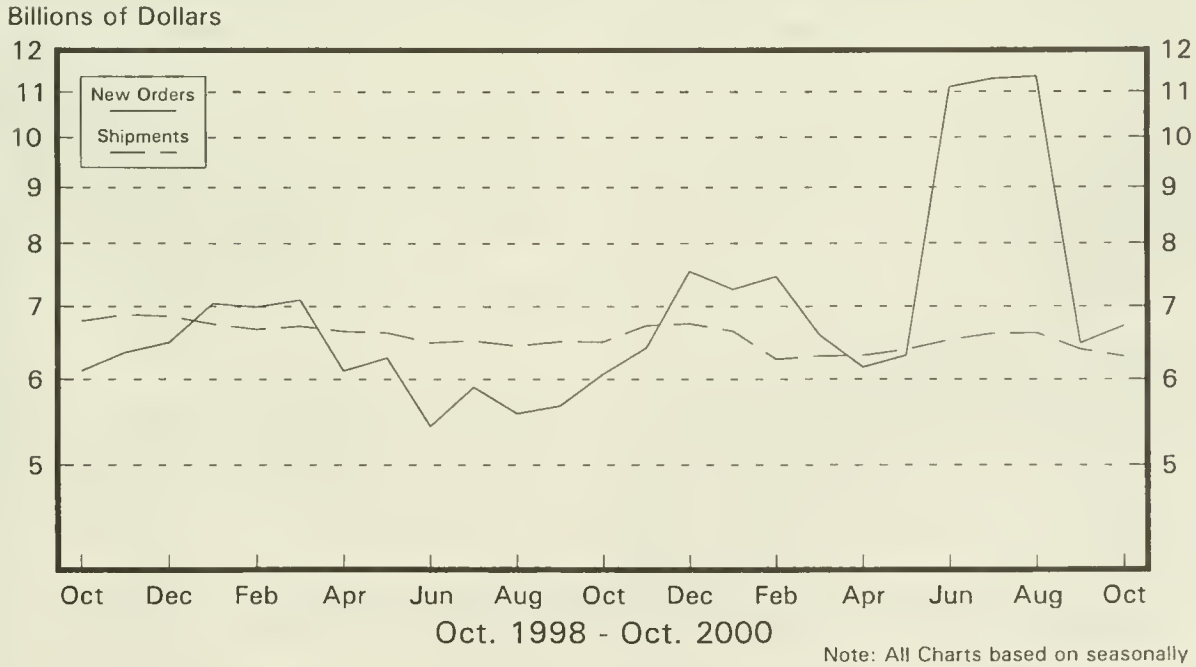
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
Washington, DC 20233

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Manufacturers' Shipments, Inventories, and Orders (M3) Survey

RELEASE DATES FOR 2000/2001

REPORT COVERING	ADVANCE REPORT (8:30 a.m. release time)	REGULAR REPORT (10:00 a.m. release time)
November 2000	Dec. 22, 2000	Jan. 4, 2001
December 2000	Jan. 26, 2001	Feb. 2, 2001
January 2001	Feb. 27, 2001	Mar. 6, 2001
February 2001	Mar. 27, 2001	Apr. 3, 2001
March 2001	Apr. 25, 2001	May 2, 2001
April 2001	May 25, 2001 @ 10:00	Jun. 5, 2001
May 2001	Jun. 26, 2001	Jul. 3, 2001
June 2001	Jul. 26, 2001	Aug. 2, 2001
July 2001	Aug. 24, 2001	Aug. 31, 2001
August 2001	Sep. 27, 2001	Oct. 4, 2001
September 2001	Oct. 25, 2001	Nov. 2, 2001
October 2001	Nov. 29, 2001	Dec. 6, 2001
November 2001	Dec. 28, 2001	

C3.158: M3-1-(00)-11

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

November 2000
M3-1-(00)-11
For Wire Transmissions 10:00 a.m. E.S.T. January 4, 2001

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November increased $6.3 billion or 1.7 percent to $377.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 4.0 percent October decrease. Year to date, new orders are 7.6 percent above the same period a year ago.

Shipments decreased $1.3 billion or 0.4 percent to $374.1 billion, following a 1.2 percent October decrease. This is the third consecutive decrease. Year to date, shipments are 6.6 percent above the same period a year ago.

Unfilled orders increased $3.5 billion or 0.6 percent to $587.1 billion, following a 0.7 percent October decrease. The unfilled orders-to-shipments ratio was 2.75, up from 2.72 in October.

Inventories increased $2.2 billion or 0.5 percent to $494.5 billion, following a 0.7 percent October increase. This is the eighth consecutive increase. The inventories-to-shipments ratio was 1.32, up from 1.31 in October.

New Orders

New orders for manufactured durable goods in November increased $5.2 billion or 2.5 percent to $211.3 billion, revised from the previously published 2.3 percent increase.

Transportation equipment had the largest increase, $3.9 billion or 8.8 percent to $48.0 billion, due to aircraft and parts. Electronic and other electrical equipment increased $2.7 billion or 7.0 percent to $40.8 billion, mostly due to electronic components. Industrial machinery and equipment increased $0.2 billion or 0.5 percent to $43.5 billion; this is the first increase since July. Primary metals, down four of the last five months, decreased $0.3 billion or 1.9 percent to $14.9 billion.

New orders for nondurable goods increased $1.1 billion or 0.7 percent to $166.3 billion.

Shipments

Shipments of durable goods in November decreased $2.0 billion or 0.9 percent to $207.9 billion, revised from the previously published 1.2 percent decrease.

Industrial machinery and equipment had the largest decrease, $0.4 billion or 1.0 percent to $42.9 billion. Electronic and other electrical equipment decreased $0.3 billion or 0.7 percent to $40.4 billion. Primary metals, down five consecutive months, decreased $0.2 billion or 1.6 percent to $15.2 billion.

Shipments of nondurable goods increased $0.7 billion or 0.4 percent to $166.2 billion. Food and kindred products and petroleum and coal products had the largest increases.

Unfilled Orders

Unfilled orders for durable goods in November increased $3.4 billion or 0.6 percent to $562.0 billion, unrevised from the previously published 0.6 percent increase.

Transportation equipment, led by aircraft and parts, had the largest increase, $2.4 billion or 1.0 percent to $249.7 billion. Industrial machinery and equipment increased $0.6 billion or 0.6 percent to $92.8 billion; this is the sixteenth increase in the last seventeen months. Electronic and other electrical equipment increased $0.4 billion or 0.4 percent to $99.9 billion.

Inventories

Inventories of durable goods in November increased $2.2 billion or 0.7 percent to $310.4 billion. This is the eighth consecutive increase.

Transportation equipment had the largest increase, $0.7 billion or 1.1 percent to $70.4 billion. This is the fifth consecutive increase and the largest since February. Electronic and other electrical equipment, up seven of the last eight months, increased $0.7 billion or 1.5 percent to $47.9 billion. Industrial machinery and equipment, up eight consecutive months, increased $0.3 billion or 0.5 percent to $63.7 billion.

Inventories of nondurable goods increased $0.1 billion to $184.1 billion.

By stage of fabrication, November finished goods increased 0.2 percent in durables and decreased 0.5 percent in nondurables. Work in process increased 0.1 percent in durables and 0.2 percent in nondurables. Materials and supplies increased 1.9 percent in durables and 0.7 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for December is scheduled for January 26, 2001 at 8.30 a.m. and the full report on February 2, 2001 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www stat-usa.gov

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change Nov. 00/99	Year to date	
	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Nov. 1999		2000[p]	1999
All manufacturing industries	374,098	375,428	380,025	-0.4	-1.2	-0.2	370,544	383,295	407,432	364,779	+1.6	4,142,101	3,893,60
Manufacturing industries													
with unfilled orders	213,732	214,956	218,409	-0.6	-1.6	-0.4	212,124	216,941	238,125	208,276	+1.8	2,360,184	2,214,67
without defense capital goods	367,663	369,191	373,647	-0.4	-1.2	-0.2	363,705	377,076	400,646	357,046	+1.9	4,072,696	3,821,7
Durable goods industries	207,852	209,833	214,165	-0.9	-2.0	+0.1	204,331	213,140	233,636	203,877	+0.2	2,320,290	2,198,29
With unfilled orders	175,166	176,137	179,044	-0.6	-1.6	-0.5	172,811	176,883	196,487	168,838	+2.4	1,929,646	1,802,0
Stone, clay, and glass products	8,521	8,677	8,741	-1.8	-0.7	-1.4	8,204	9,269	9,171	8,893	-7.7	97,338	95,8
Primary metals	15,234	15,477	15,731	-1.6	-1.6	-0.7	14,756	15,778	16,234	15,167	-2.7	175,419	164,0
Blast furnaces, steel mills	5,466	5,678	5,715	-3.7	-0.6	-3.5	5,202	5,777	5,775	5,817	-10.6	66,272	63,1
Iron and steel foundries	1,415	1,405	1,408	+0.7	-0.2	-1.6	1,371	1,474	1,481	1,456	-5.8	16,236	16,9
Nonferrous and other primary metals	8,353	8,394	8,608	-0.5	-2.5	+1.4	8,183	8,527	8,978	7,894	+3.7	92,911	83,8
Fabricated metal products	19,762	20,024	20,192	-1.3	-0.8	-1.7	19,555	21,041	21,266	20,654	-5.3	225,890	226,6
Industrial machinery and equipment	42,914	43,351	43,276	-1.0	+0.2	-0.8	39,316	41,991	47,984	36,757	+7.0	462,457	413,1
Engines and turbines	2,340	2,532	2,629	-7.6	-3.7	-3.6	2,228	2,360	2,920	2,664	-16.4	28,024	27,0
Farm and garden machinery	2,142	1,892	2,072	+13.2	-8.7	-1.2	1,463	1,608	1,849	1,224	+19.5	23,038	20,4
Construction, mining and material handling equipment	3,901	3,910	3,849	-0.2	+1.6	-1.3	3,498	3,771	3,845	3,392	+3.1	43,755	42,4
Metalworking machinery	3,731	3,739	3,828	-0.2	-2.3	-1.6	4,233	4,146	4,457	4,306	-1.7	41,569	40,2
Computer and office equipment	14,748	15,071	14,873	-2.1	+1.3	+1.5	13,185	13,854	18,348	11,187	+17.9	151,665	124,4
Electronic and other electrical equipment	40,383	40,651	41,585	-0.7	-2.2	+1.0	40,997	39,914	47,812	36,912	+11.1	435,365	372,3
Electrical transmission and distribution equipment and industrial apparatus	4,162	4,086	4,159	+1.9	-1.8	-0.2	3,944	3,836	4,781	3,705	+6.5	45,589	41,9
Household appliances	2,320	2,302	2,396	+0.8	-3.9	+2.1	2,232	2,213	2,550	2,358	-5.3	26,337	25,9
Electric lighting and wiring equipment	2,520	2,586	2,578	-2.6	+0.3	-0.7	2,577	2,511	2,888	2,655	-2.9	28,143	26,4
Household audio and video equipment	1,117	1,125	1,074	-0.7	+4.7	-5.5	1,294	1,385	1,237	1,201	+7.7	12,759	11,6
Communications equipment	10,286	10,570	10,733	-2.7	-1.5	+3.3	9,823	9,735	12,839	8,524	+15.2	108,547	89,2
Electronic components	17,968	18,027	18,594	-0.3	-3.0	+1.4	18,692	18,076	21,098	15,794	+18.3	190,527	152,2
Transportation equipment	45,586	45,655	48,646	-0.2	-6.1	+2.1	46,174	48,492	52,314	49,461	-6.6	528,660	534,9
Motor vehicles and parts	30,041	31,444	32,821	-4.5	-4.2	+2.6	30,103	34,800	34,942	33,932	-11.3	364,309	369,6
Aircraft, missiles, space vehicles, and parts	11,821	10,529	11,992	+12.3	-12.2	-0.6	12,361	9,975	13,108	11,954	+3.4	122,928	127,2
Shipbuilding and tanks	1,183	1,157	1,015	+2.2	+14.0	-11.9	1,213	1,145	1,046	1,022	+18.7	11,978	10,8
Instruments and related products	15,371	15,459	15,574	-0.6	-0.7	+0.6	15,538	15,175	17,286	15,110	+2.8	165,172	158,2
Search and navigation equipment	3,181	2,970	3,046	+7.1	-2.5	-1.2	3,256	2,858	3,360	3,109	+4.7	33,423	34,2
Measuring and controlling devices	5,114	5,269	5,347	-2.9	-1.5	+5.9	5,134	5,199	5,866	4,516	+13.7	54,141	46,0
Medical instruments and supplies	4,809	4,817	4,779	-0.2	+0.8	-1.8	4,740	4,611	5,388	4,777	-0.8	51,164	52,2
Photographic goods	1,734	1,882	1,896	-7.9	-0.7	-2.6	1,876	1,999	2,149	2,212	-15.2	20,765	20,3
All other durable goods	20,081	20,539	20,420	-2.2	+0.6	-2.0	19,791	21,480	21,569	20,923	-5.4	229,989	232,9
Nondurable goods industries	166,246	165,595	165,860	+0.4	-0.2	-0.5	166,213	170,155	173,796	160,902	+3.3	1,821,811	1,695,3
With unfilled orders	38,566	38,819	39,365	-0.7	-1.4	+0.1	39,313	40,058	41,638	39,438	-0.3	430,538	412,6
Food and kindred products	43,066	42,649	42,595	+1.0	+0.1	-0.6	43,977	44,015	44,486	43,223	+1.7	467,750	459,2
Meat products	9,827	9,848	9,775	-0.2	+0.7	-1.7	9,929	10,007	9,911	9,630	+3.1	106,979	98,4
Dairy products	6,256	6,146	6,276	+1.8	-2.1	+0.5	6,602	5,997	6,565	6,785	-2.7	68,840	71,0
Beverages	6,971	6,780	6,816	+2.8	-0.5	+2.0	6,696	6,778	7,051	6,188	+8.2	74,043	70,1
All other foods, except fats and oils	18,099	17,994	17,979	+0.6	+0.1	-1.3	18,837	19,352	19,210	18,758	+0.4	198,045	199,3
Tobacco products	4,378	4,319	4,307	+1.4	+0.3	-5.9	4,574	4,376	4,029	4,612	-0.8	48,555	46,5
Textile mill products	6,192	6,261	6,276	-1.1	-0.2	-1.5	6,193	6,580	6,816	6,590	-6.0	71,148	72,3
Broadwoven fabrics and other textiles	3,448	3,482	3,538	-1.0	-1.6	-1.9	3,353	3,512	3,875	3,588	-6.5	39,593	40,9
Paper and allied products	14,213	14,253	14,480	-0.3	-1.6	+0.6	14,069	14,512	14,900	14,095	-0.2	159,138	150,4
Pulp, paper, and paperboard mill products	5,511	5,624	5,699	-2.0	-1.3	+0.4	5,469	5,692	5,810	5,619	-2.7	63,229	57,9
Paperboard containers and boxes	3,796	3,819	3,785	-0.6	+0.9	-2.5	3,726	3,953	3,831	3,588	+3.8	42,982	37,9
Miscellaneous converted paper products	4,906	4,810	4,996	+2.0	-3.7	+3.4	4,874	4,867	5,259	4,888	-0.3	52,927	54,5
Chemicals and allied products	36,911	36,687	36,668	+0.6	+0.1	-1.1	35,473	36,246	38,256	34,579	+2.6	402,308	377,8
Industrial chemicals	15,769	15,901	15,911	-0.8	-0.1	-1.3	15,275	15,905	16,157	15,843	-3.6	176,061	167,7
Drugs, soaps, and toiletries	17,248	17,027	16,965	+1.3	+0.4	-0.6	16,990	17,084	18,806	15,513	+9.5	182,742	166,7
Petroleum and coal products	20,964	20,636	20,360	+1.6	+1.4	+2.8	21,040	21,498	21,435	16,755	+25.6	217,694	154,0
Rubber and plastics products	14,041	14,158	14,228	-0.8	-0.5	-2.1	13,470	14,622	14,701	13,816	-2.5	159,950	151,6
All other nondurable goods	26,481	26,632	26,946	-0.6	-1.2	-0.8	27,417	28,306	29,173	27,232	+0.7	295,268	283,1

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Nov. 1999	Nov. 00/99	2000[p]	1999
All manufacturing industries	377,564	371,251	386,647	+1.7	-4.0	+1.1	369,430	380,278	409,121	361,933	+2.1	4,190,124	3,902,652
Manufacturing industries													
with unfilled orders	217,198	210,779	225,031	+3.0	-6.3	+1.9	211,010	213,924	239,814	205,430	+2.7	2,408,207	2,223,722
without defense capital goods	369,030	364,416	380,610	+1.3	-4.3	+1.5	361,130	374,220	402,717	355,584	+1.6	4,105,332	3,836,991
Durable goods industries	211,274	206,060	220,651	+2.5	-6.6	+2.2	203,145	211,266	236,004	200,811	+1.2	2,368,705	2,205,076
With unfilled orders	178,588	172,364	185,530	+3.6	-7.1	+2.1	171,625	175,009	198,855	165,772	+3.5	1,978,061	1,808,850
Stone, clay, and glass products	8,562	8,710	8,670	-1.7	+0.5	-1.5	8,255	9,270	9,078	8,995	-8.2	97,300	95,948
Primary metals	14,933	15,225	15,756	-1.9	-3.4	+2.1	14,406	14,900	15,673	15,172	-5.0	172,826	165,881
Blast furnaces, steel mills	5,137	5,307	5,679	-3.2	-6.6	+0.7	4,968	5,104	5,415	6,150	-19.2	63,751	64,576
Iron and steel foundries	1,465	1,462	1,305	+0.2	+12.0	-4.4	1,411	1,502	1,271	1,290	+9.4	16,408	16,176
Nonferrous and other primary metals	8,331	8,456	8,772	-1.5	-3.6	+4.1	8,027	8,294	8,987	7,732	+3.8	92,667	85,129
Fabricated metal products	19,722	20,065	20,291	-1.7	-1.1	-1.4	19,205	20,825	21,073	20,280	-5.3	225,930	225,429
Industrial machinery and equipment	43,511	43,313	43,387	+0.5	-0.2	-4.9	40,572	42,423	47,689	37,631	+7.8	474,290	420,501
Engines and turbines	3,196	2,320	3,154	+37.8	-26.4	-3.7	3,185	2,363	3,857	2,903	+9.7	34,512	33,117
Construction, mining and material handling equipment	3,813	3,823	4,023	-0.3	-5.0	+4.1	3,454	3,759	3,960	3,707	-6.8	43,453	41,372
Metalworking machinery	3,518	3,417	3,990	+3.0	-14.4	+0.6	4,020	3,824	4,619	4,008	+0.3	41,345	40,541
Computer and office equipment	15,405	15,554	14,483	-1.0	+7.4	-7.9	14,253	14,248	17,558	11,211	+27.1	153,950	124,885
Electronic and other electrical equipment	40,786	38,132	43,232	+7.0	-11.8	+8.5	37,718	40,903	47,960	38,015	-0.8	450,569	395,390
Electrical transmission and distribution equipment and industrial apparatus	4,324	4,235	4,201	+2.1	+0.8	+3.9	4,035	4,073	4,602	3,712	+8.7	46,422	42,732
Electric lighting and wiring equipment	2,475	2,679	2,277	-7.6	+17.7	-10.2	2,532	2,604	2,587	2,560	-1.1	28,184	26,419
Communications equipment	10,240	10,172	11,004	+0.7	-7.6	+9.9	9,975	9,874	13,985	9,951	+0.2	112,933	95,329
Electronic components	18,175	15,808	19,928	+15.0	-20.7	+15.5	15,373	18,552	20,503	15,852	-3.0	199,212	168,810
Transportation equipment	47,970	44,100	53,309	+8.8	-17.3	+7.8	47,595	45,896	56,129	45,416	+4.8	549,673	512,119
Aircraft, missiles, space vehicles, and parts	13,884	9,352	16,945	+48.5	-44.8	+15.9	13,514	7,911	17,291	8,592	+57.3	146,021	109,151
Shipbuilding and tanks	1,773	1,279	1,157	+38.6	+10.5	+86.9	1,805	1,223	1,290	1,044	+72.9	11,501	9,848
Instruments and related products	15,674	15,952	15,569	-1.7	+2.5	+1.6	15,794	15,481	16,938	14,690	+7.5	167,188	156,165
Search and navigation equipment	3,327	3,169	2,908	+5.0	+9.0	+1.8	3,476	2,648	3,076	2,785	+24.8	33,687	32,353
Measuring and controlling devices	5,153	5,536	5,362	-6.9	+3.2	+4.6	5,173	5,466	5,881	4,474	+15.6	54,988	45,747
Medical instruments and supplies	4,912	4,816	4,900	+2.0	-1.7	+1.1	4,739	4,838	5,325	4,733	+0.1	52,074	52,499
All other durable goods	20,116	20,563	20,437	-2.2	+0.6	-1.7	19,600	21,568	21,464	20,612	-4.9	230,929	233,693
Nondurable goods industries	166,290	165,191	165,996	+0.7	-0.5	-0.3	166,285	169,012	173,117	161,122	+3.2	1,821,419	1,697,576
With unfilled orders	38,610	38,415	39,501	+0.5	-2.7	+1.1	39,385	38,915	40,959	39,658	-0.7	430,146	414,872

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[2] When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(97), "Manufacturers' Shipments, Inventories, and Orders: 1987-1997."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percen Change
	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Nov. 1999	Nov. 00/99
All manufacturing industries	587,088	583,622	587,799	+0.6	-0.7	+1.1	580,714	581,828	584,845	522,083	+11
Manufacturing industries without defense capital goods	475,721	474,354	479,129	+0.3	-1.0	+1.5	471,687	474,262	477,118	432,580	+9
Durable goods industries	562,024	558,602	562,375	+0.6	-0.7	+1.2	556,194	557,380	559,254	496,913	+11
Stone, clay, and glass products	6,299	6,258	6,225	+0.7	+0.5	-1.1	6,199	6,148	6,147	6,203	-0
Primary metals	30,030	30,331	30,583	-1.0	-0.8	+0.1	28,528	28,878	29,756	30,709	-7
Blast furnaces, steel mills	10,847	11,176	11,547	-2.9	-3.2	-0.3	10,112	10,346	11,019	12,432	-18
Iron and steel foundries	5,004	4,954	4,897	+1.0	+1.2	-2.1	4,836	4,796	4,768	4,552	+6
Nonferrous and other primary metals	14,179	14,201	14,139	-0.2	+0.4	+1.2	13,580	13,736	13,969	13,725	-1
Fabricated metal products	25,321	25,361	25,320	-0.2	+0.2	+0.4	24,788	25,138	25,354	24,213	+2
Industrial machinery and equipment	92,771	92,174	92,212	+0.6	0.0	+0.1	93,060	91,804	91,372	81,827	+13
Engines and turbines	30,809	29,953	30,165	+2.9	-0.7	+1.8	31,286	30,329	30,326	24,823	+26
Construction, mining and material handling equipment	8,588	8,676	8,763	-1.0	-1.0	+2.0	8,277	8,321	8,333	8,560	-3
Metalworking machinery	6,266	6,479	6,801	-3.3	-4.7	+2.4	6,266	6,479	6,801	6,756	-7
Computer and office equipment	10,631	9,974	9,491	+6.6	+5.1	-3.9	10,966	9,898	9,504	8,336	+31
Electronic and other electrical equipment	99,888	99,485	102,004	+0.4	-2.5	+1.6	98,891	102,170	101,181	80,809	+22
Electrical transmission and distribution equipment and industrial apparatus	7,830	7,668	7,519	+2.1	+2.0	+0.6	7,729	7,638	7,401	6,925	+11
Electric lighting and wiring equipment	5,073	5,118	5,025	-0.9	+1.9	-5.7	5,073	5,118	5,025	4,995	+1
Communications equipment	29,663	29,709	30,107	-0.2	-1.3	+0.9	30,009	29,857	29,718	23,176	+29
Electronic components	50,149	49,942	52,161	+0.4	-4.3	+2.6	49,159	52,478	52,002	40,236	+22
Transportation equipment	249,691	247,307	248,862	+1.0	-0.6	+1.9	247,395	245,974	248,570	219,708	+12
Aircraft, missiles, space vehicles, and parts	215,673	213,610	214,787	+1.0	-0.5	+2.4	213,601	212,448	214,512	185,932	+14
Shipbuilding and tanks	18,994	18,404	18,282	+3.2	+0.7	+0.8	19,051	18,459	18,381	18,298	+4
Instruments and related products	49,181	48,878	48,385	+0.6	+1.0	0.0	48,512	48,256	47,950	45,074	+7
Search and navigation equipment	26,298	26,152	25,953	+0.6	+0.8	-0.5	25,684	25,464	25,674	24,503	+4
Measuring and controlling devices	10,979	10,940	10,673	+0.4	+2.5	+0.1	10,979	10,940	10,673	9,875	+11
Medical instruments and supplies	10,963	10,860	10,861	+0.9	0.0	+1.1	10,945	10,946	10,719	9,821	+11
All other durable goods	8,843	8,808	8,784	+0.4	+0.3	+0.2	8,821	9,012	8,924	8,370	+5
Nondurable goods industries	25,064	25,020	25,424	+0.2	-1.6	+0.5	24,520	24,448	25,591	25,170	-2

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Nov. 2000p	Oct. 2000r	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000p	Oct. 2000r	Sept. 2000	Nov. 1999	Nov. 00/99
All manufacturing industries	494,520	492,282	488,884	+0.5	+0.7	+0.3	495,577	493,684	487,743	470,921	+5.2
Manufacturing industries											
with unfilled orders	327,538	325,239	322,376	+0.7	+0.9	+0.3	327,770	325,461	321,889	310,748	+5.5
without defense capital goods	474,411	473,369	469,959	+0.2	+0.7	+0.2	475,567	474,788	468,489	452,528	+5.1
Durable goods industries	310,403	308,247	305,333	+0.7	+1.0	+0.1	311,360	308,352	304,219	295,759	+5.3
With unfilled orders	284,455	282,113	279,492	+0.8	+0.9	+0.2	285,266	282,486	278,886	270,449	+5.5
Stone, clay, and glass products	10,430	10,314	10,301	+1.1	+0.1	+0.7	10,119	9,941	10,134	9,515	+6.3
Primary metals	25,141	25,169	25,150	-0.1	+0.1	+0.1	25,099	25,090	25,126	24,078	+4.2
Blast furnaces, steel mills	12,045	12,192	12,244	-1.2	-0.4	-0.1	12,115	12,247	12,285	11,528	+5.1
Iron and steel foundries	1,623	1,621	1,612	+0.1	+0.6	0.0	1,580	1,578	1,574	1,574	+0.4
Nonferrous and other primary metals	11,473	11,356	11,294	+1.0	+0.5	+0.4	11,404	11,265	11,267	10,976	+3.9
Fabricated metal products	32,633	32,679	32,629	-0.1	+0.2	-0.5	32,342	32,423	32,427	31,084	+4.0
Industrial machinery and equipment	63,742	63,432	62,466	+0.5	+1.5	+0.2	64,653	63,425	61,948	61,012	+6.0
Engines and turbines	4,913	5,032	4,768	-2.4	+5.5	-0.3	5,169	5,197	4,728	4,861	+6.3
Farm and garden machinery	3,823	3,819	3,713	+0.1	+2.9	-4.6	3,905	3,612	3,430	3,786	+3.1
Construction, mining and material handling equipment	9,126	9,024	9,019	+1.1	+0.1	+0.1	9,156	8,935	8,903	8,906	+2.8
Metalworking machinery	8,443	8,416	8,319	+0.3	+1.2	-0.4	8,312	8,549	8,516	7,903	+5.2
Computer and office equipment	9,211	8,958	8,776	+2.8	+2.1	+0.5	9,629	8,953	8,690	9,050	+6.4
Electronic and other electrical equipment	47,883	47,177	46,009	+1.5	+2.5	-0.5	47,971	47,198	45,358	42,613	+12.6
Electrical transmission and distribution equipment and industrial apparatus	5,757	5,773	5,671	-0.3	+1.8	-0.9	5,855	5,828	5,589	5,447	+7.5
Household appliances	2,578	2,689	2,661	-4.1	+1.1	-0.8	2,485	2,640	2,520	2,362	+5.2
Electric lighting and wiring equipment	4,089	4,075	4,084	+0.3	-0.2	-0.7	4,110	4,140	4,063	3,796	+8.3
Household audio and video equipment	1,229	1,233	1,200	-0.3	+2.8	+1.3	1,230	1,284	1,285	1,111	+10.7
Communications equipment	12,356	11,991	11,555	+3.0	+3.8	-4.4	12,618	11,979	11,437	11,743	+7.5
Electronic components	17,512	17,045	16,533	+2.7	+3.1	+1.8	17,433	16,963	16,177	14,564	+19.7
Transportation equipment	70,369	69,623	69,342	+1.1	+0.4	+0.1	71,002	70,231	69,793	71,334	-0.5
Motor vehicles and parts	18,668	18,938	18,945	-1.4	0.0	+0.7	18,751	18,918	19,009	18,045	+3.9
Aircraft, missiles, space vehicles, and parts	45,126	44,226	44,155	+2.0	+0.2	0.0	45,756	44,921	44,635	46,990	-2.6
Shipbuilding and tanks	2,634	2,582	2,519	+2.0	+2.5	+4.5	2,577	2,500	2,500	2,228	+15.7
Instruments and related products	28,574	28,328	27,976	+0.9	+1.3	0.0	28,680	28,440	27,966	27,141	+5.7
Search and navigation equipment	6,787	6,752	6,751	+0.5	0.0	-0.2	6,785	6,751	6,758	6,950	-2.4
Measuring and controlling devices	9,498	9,350	9,154	+1.6	+2.1	+0.7	9,480	9,342	9,145	8,160	+16.2
Medical instruments and supplies	9,099	9,038	8,893	+0.7	+1.6	-0.7	9,197	9,063	8,812	8,939	+2.9
Photographic goods	2,467	2,453	2,439	+0.6	+0.6	+0.5	2,493	2,542	2,518	2,361	+5.6
All other durable goods	31,631	31,525	31,460	+0.3	+0.2	+0.6	31,494	31,604	31,467	28,982	+8.7
Nondurable goods industries	184,117	184,035	183,551	0.0	+0.3	+0.6	184,217	185,332	183,524	175,162	+5.2
With unfilled orders	43,083	43,126	42,884	-0.1	+0.6	+0.8	42,504	42,975	43,003	40,299	+5.5
Food and kindred products	38,119	38,136	38,171	0.0	-0.1	-1.0	39,453	40,102	38,710	40,353	-2.2
Meat products	4,689	4,682	4,655	+0.1	+0.6	+0.8	4,651	4,703	4,581	4,442	+4.7
Dairy products	3,741	3,786	3,862	-1.2	-2.0	+0.2	3,595	3,793	3,835	3,747	-4.1
Beverages	8,985	8,961	8,911	+0.3	+0.6	+0.8	9,144	9,173	9,007	8,826	+3.6
All other foods, except fats and oils	19,059	19,083	19,209	-0.1	-0.7	-2.7	20,307	20,684	19,880	21,580	-5.9
Tobacco products	5,203	5,230	5,407	-0.5	-3.3	+1.3	5,378	5,415	5,292	5,304	+1.4
Textile mill products	10,456	10,487	10,495	-0.3	-0.1	+0.3	10,203	10,325	10,378	9,863	+3.4
Broadwoven fabrics and other textiles	6,084	6,104	6,088	-0.3	+0.3	0.0	6,021	6,020	5,965	6,031	-0.2
Paper and allied products	17,252	17,310	17,270	-0.3	+0.2	-0.4	17,014	17,049	17,130	15,958	+6.6
Pulp, paper, and paperboard mill products	6,823	6,811	6,794	+0.2	+0.3	-0.3	6,737	6,707	6,747	6,206	+8.6
Paperboard containers and boxes	4,428	4,495	4,508	-1.5	-0.3	-0.4	4,342	4,416	4,479	4,169	+4.1
Miscellaneous converted paper products	6,001	6,004	5,968	0.0	+0.6	-0.5	5,935	5,926	5,904	5,583	+6.3
Chemicals and allied products	51,280	51,067	50,924	+0.4	+0.3	+1.0	51,116	50,627	50,364	47,148	+8.4
Industrial chemicals	20,532	20,471	20,636	+0.3	-0.8	+0.4	20,345	20,155	20,646	19,336	+5.2
Drugs, soaps, and toiletries	24,705	24,537	24,283	+0.7	+1.0	+1.4	24,820	24,584	23,994	21,975	+12.9
Petroleum and coal products	14,476	14,556	14,431	-0.5	+0.9	+2.7	14,677	14,847	14,686	12,399	+18.4
Rubber and plastics products	18,638	18,723	18,662	-0.5	+0.3	+0.2	18,401	18,463	18,351	17,532	+5.0
All other nondurable goods	28,693	28,526	28,191	+0.6	+1.2	+1.8	27,975	28,504	28,613	26,605	+5.1

p Preliminary r Revised

See note at end of Table 2 relating to survey error and revision

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted[2]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Nov. 2000p	Oct. 2000r	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000p	Oct. 2000r	Sept. 2000	Nov. 1999	Nov. 00/99	2000p	1999
SHIPMENTS													
All manufacturing industries	374,098	375,428	380,025	-0.4	-1.2	-0.2	370,544	383,295	407,432	364,779	+1.6	4,142,101	3,893,6
Market categories:													
Automotive equipment	15,157	15,708	16,471	-3.5	-4.6	+3.9	15,237	17,366	17,935	16,753	-9.0	181,180	180,5
Home goods and apparel	20,366	20,458	20,283	-0.4	+0.9	-2.8	20,754	22,185	22,266	20,887	-0.6	229,853	221,1
Consumer staples	81,688	80,862	80,840	+1.0	0.0	-0.2	82,613	82,678	85,264	77,970	+6.0	879,217	810,1
Machinery and equipment	73,065	73,198	74,970	-0.2	-2.4	0.0	69,834	71,899	83,835	66,393	+5.2	796,676	739,2
Business supplies	28,649	28,549	28,663	+0.4	-0.4	+0.1	29,219	29,428	29,972	28,082	+4.0	311,260	292,0
Construction materials and supplies	22,267	22,762	22,909	-2.2	-0.6	-0.8	21,507	23,810	24,288	23,100	-6.9	256,582	255,2
Defense products	6,659	6,445	6,561	+3.3	-1.8	+0.4	7,018	6,393	6,967	7,980	-12.1	71,936	74,6
Other materials, supplies and intermediate products	126,247	127,446	129,328	-0.9	-1.5	-0.4	124,362	129,536	136,905	123,614	+0.6	1,415,397	1,320,5
Durable goods industries:													
Nondefense capital goods [3]	61,805	61,404	62,826	+0.7	-2.3	0.0	58,614	58,456	71,655	53,289	+10.0	658,569	593,5
Excluding aircraft and parts	53,245	54,111	54,247	-1.6	-0.3	+0.5	49,830	51,766	62,136	46,014	+8.3	572,242	505,2
Defense capital goods [4]	6,435	6,237	6,378	+3.2	-2.2	+2.0	6,839	6,219	6,786	7,733	-11.6	69,405	71,8
Durables excluding capital goods	139,612	142,192	144,961	-1.8	-1.9	0.0	138,878	148,465	155,195	142,855	-2.8	1,592,316	1,532,7
Miscellaneous series:													
Producers' durable equipment	134,512	136,035	138,909	-1.1	-2.1	0.0	131,200	137,975	152,566	130,972	+0.2	1,503,469	1,432,1
Household durable goods	10,927	11,018	10,800	-0.8	+2.0	-2.9	11,249	11,590	11,846	11,262	-0.1	121,910	114,7
Information technology industries	32,859	33,655	33,736	-2.4	-0.2	+2.5	31,012	31,571	40,230	27,344	+13.4	344,840	290,3
Health care equipment and products	14,136	14,033	13,967	+0.7	+0.5	-1.0	13,923	13,863	15,559	13,185	+5.6	150,186	142,7
NEW ORDERS													
All manufacturing industries	377,564	371,251	386,647	+1.7	-4.0	+1.1	369,430	380,278	409,121	361,933	+2.1	4,190,124	3,902,6
Market categories:													
Automotive equipment	15,151	15,638	16,491	-3.1	-5.2	+4.1	15,163	17,313	17,882	16,634	-8.8	181,023	180,5
Home goods and apparel	20,701	20,589	20,237	+0.5	+1.7	-3.2	20,968	22,211	22,172	20,647	+1.6	230,595	221,9
Consumer staples	81,744	80,796	80,977	+1.2	-0.2	+0.1	82,639	82,427	85,152	78,004	+5.9	879,166	810,9
Machinery and equipment	73,875	71,297	81,931	+3.6	-13.0	+6.6	70,941	70,375	89,745	65,887	+7.7	821,876	732,7
Business supplies	28,792	28,516	28,836	+1.0	-1.1	+0.8	29,360	29,172	29,850	28,097	+4.5	311,505	292,7
Construction materials and supplies	22,269	22,881	22,724	-2.7	+0.7	-1.3	21,412	23,764	23,976	22,942	-6.7	256,851	255,2
Defense products	8,497	6,915	6,082	+22.9	+13.7	-18.2	8,305	6,288	6,519	6,779	+22.5	86,077	68,9
Other materials, supplies and intermediate products	126,535	124,619	129,369	+1.5	-3.7	+0.4	120,642	128,728	133,825	122,943	-1.9	1,423,031	1,339,5
Durable goods industries:													
Nondefense capital goods [3]	62,817	59,332	68,494	+5.9	-13.4	+5.4	60,208	56,830	76,697	52,843	+13.9	682,429	587,6
Excluding aircraft and parts	53,460	54,021	55,639	-1.0	-2.9	+1.5	50,627	52,122	62,902	47,168	+7.3	588,045	511,4
Defense capital goods [4]	8,534	6,835	6,037	+24.9	+13.2	-17.4	8,300	6,058	6,404	6,349	+30.7	84,792	65,6
Durables excluding capital goods	139,923	139,893	146,120	0.0	-4.3	+1.8	134,637	148,378	152,903	141,619	-4.9	1,601,484	1,551,7
Miscellaneous series:													
Producers' durable equipment	135,443	134,390	146,051	+0.8	-8.0	+3.8	131,803	136,858	158,098	129,673	+1.6	1,530,483	1,424,2
Household durable goods	11,303	11,124	10,704	+1.6	+3.9	-4.2	11,524	11,720	11,754	10,974	+5.0	122,495	115,2
Information technology industries	33,333	34,456	34,088	-3.3	+1.1	+2.8	31,885	32,290	40,170	27,929	+14.2	351,108	292,9
Health care equipment and products	14,238	14,032	14,088	+1.5	-0.4	0.0	13,920	14,090	15,494	13,140	+5.9	151,101	142,9

p Preliminary r Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include: ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include: ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks, and tank components; and search and navigation equipment.

See note at end of Table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Nov. 1999	Nov. 00/99
UNFILLED ORDERS											
All manufacturing industries	587,088	583,622	587,799	+0.6	-0.7	+1.1	580,714	581,828	584,845	522,083	+11.2
Market categories:											
Automotive equipment	2,420	2,426	2,496	-0.2	-2.8	+0.8	2,329	2,404	2,456	2,399	-2.9
Home goods and apparel	9,566	9,231	9,099	+3.6	+1.5	-0.5	9,350	9,136	9,110	9,066	+3.1
Consumer staples	3,079	3,023	3,089	+1.9	-2.1	+4.6	3,016	2,989	3,240	2,998	+0.6
Machinery and equipment	264,695	263,885	265,786	+0.3	-0.7	+2.7	264,392	263,285	264,809	234,063	+13.0
Business supplies	7,581	7,439	7,472	+1.9	-0.4	+2.4	7,440	7,298	7,554	7,215	+3.1
Construction materials and supplies	17,938	17,936	17,818	0.0	+0.7	-1.0	17,636	17,731	17,776	17,295	+2.0
Defense products	105,215	103,377	102,907	+1.8	+0.5	-0.5	103,226	101,939	102,044	85,210	+21.1
Other materials, supplies and intermediate products	176,594	176,305	179,132	+0.2	-1.6	0.0	173,325	177,046	177,856	163,837	+5.8
Durable goods industries:											
Nondefense capital goods [3]	280,336	279,324	281,396	+0.4	-0.7	+2.1	280,455	278,861	280,487	251,184	+11.7
Excluding aircraft and parts	130,902	130,687	130,777	+0.2	-0.1	+1.1	131,021	130,224	129,868	112,869	+16.1
Defense capital goods [4]	111,367	109,268	108,670	+1.9	+0.6	-0.3	109,027	107,566	107,727	89,503	+21.8
Durables excluding capital goods	170,321	170,010	172,309	+0.2	-1.3	+0.7	166,712	170,953	171,040	156,226	+6.7
Miscellaneous series:											
Producers' durable equipment	304,496	303,565	305,210	+0.3	-0.5	+2.4	303,540	302,937	304,054	271,643	+11.7
Household durable goods	6,078	5,702	5,596	+6.6	+1.9	-1.7	6,031	5,756	5,626	5,687	+6.0
Information technology industries	50,804	50,330	49,529	+0.9	+1.6	+0.7	51,115	50,242	49,523	41,788	+22.3
Health care equipment and products	11,007	10,906	10,906	+0.9	0.0	+1.1	10,990	10,993	10,765	9,862	+11.4
TOTAL INVENTORIES											
All manufacturing industries	494,520	492,282	488,884	+0.5	+0.7	+0.3	495,577	493,684	487,743	470,921	+5.2
Market categories:											
Automotive equipment	9,461	9,551	9,471	-0.9	+0.8	-0.1	9,433	9,536	9,412	8,950	+5.4
Home goods and apparel	33,892	33,860	33,735	+0.1	+0.4	+1.1	32,837	33,539	33,839	30,618	+7.2
Consumer staples	80,412	80,318	80,199	+0.1	+0.1	+0.6	81,899	82,451	80,474	77,703	+5.4
Machinery and equipment	118,535	118,039	116,472	+0.4	+1.3	-0.7	120,262	118,626	115,864	118,512	+1.5
Business supplies	30,250	30,266	30,023	-0.1	+0.8	+0.7	30,196	30,485	30,325	28,441	+6.2
Construction materials and supplies	32,335	32,250	32,131	+0.3	+0.4	0.0	31,965	31,961	31,872	30,016	+6.5
Defense products	19,629	18,384	18,415	+6.8	-0.2	+1.6	19,524	18,348	18,695	18,012	+8.4
Other materials, supplies and intermediate products	170,006	169,614	168,438	+0.2	+0.7	+0.4	169,461	168,738	167,262	158,669	+6.8
Durable goods industries:											
Nondefense capital goods [3]	109,519	108,993	107,441	+0.5	+1.4	-0.5	111,338	109,840	107,123	109,521	+1.7
Excluding aircraft and parts	77,891	77,123	75,647	+1.0	+2.0	-0.4	79,057	77,329	75,162	74,403	+6.3
Defense capital goods [4]	20,109	18,913	18,925	+6.3	-0.1	+1.6	20,010	18,896	19,254	18,393	+8.8
Durables excluding capital goods	180,775	180,341	178,967	+0.2	+0.8	+0.2	180,012	179,616	177,842	167,845	+7.2
Miscellaneous series:											
Producers' durable equipment	199,104	198,762	196,689	+0.2	+1.1	-0.2	200,518	199,290	196,015	192,643	+4.1
Household durable goods	17,958	18,067	18,083	-0.6	-0.1	+1.2	17,665	18,078	18,113	16,220	+8.9
Information technology industries	36,504	35,687	34,803	+2.3	+2.5	-1.0	37,183	35,740	34,637	34,176	+8.8
Health care equipment and products	22,452	22,302	22,023	+0.7	+1.3	+0.5	22,610	22,351	21,787	20,836	+8.5

[p] Preliminary [r] Revised

See footnotes at end of Table 5

See note at end of Table 2 relating to survey error and revisions.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percen Chang
	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Oct. - Nov.	Sept. - Oct.	Aug. - Sept.	Nov. 2000[p]	Oct. 2000[r]	Sept. 2000	Nov. 1999	Nov. 00/99
MATERIALS AND SUPPLIES											
All manufacturing industries	166,176	163,780	163,746	+1.5	0.0	+0.1	166,081	163,791	164,183	156,048	+6
Durable goods industries	101,742	99,824	99,208	+1.9	+0.6	-0.2	102,344	100,040	99,878	94,885	+7
Stone, clay, and glass products	3,417	3,406	3,419	+0.3	-0.4	0.0	3,415	3,393	3,456	3,262	+4
Primary metals	8,013	8,002	7,963	+0.1	+0.5	-0.8	8,172	8,153	8,081	7,711	+6
Fabricated metal products	10,907	10,902	11,038	0.0	-1.2	-1.6	10,824	10,834	11,141	10,627	+1
Industrial machinery and equipment	21,371	21,337	21,695	+0.2	-1.7	-0.1	21,577	21,259	22,048	20,729	+4
Electronic and other electrical equipment	19,505	19,224	18,834	+1.5	+2.1	-0.9	19,536	19,183	18,698	17,005	+14
Transportation equipment	16,995	15,613	15,084	+8.9	+3.5	+0.2	16,996	15,475	15,077	15,110	+12
Instruments and related products	9,921	9,804	9,601	+1.2	+2.1	+2.3	9,872	9,847	9,632	9,108	+8
Lumber, furniture and miscellaneous durable goods	11,613	11,536	11,574	+0.7	-0.3	-0.4	11,952	11,896	11,745	11,333	+5
Nondurable goods industries	64,434	63,956	64,538	+0.7	-0.9	+0.5	63,737	63,751	64,305	61,163	+4
Food and kindred products	11,561	11,421	11,398	+1.2	+0.2	+0.3	11,590	11,634	11,150	11,429	+1
Tobacco products	4,483	4,463	4,613	+0.4	-3.3	+1.1	4,442	4,496	4,529	4,513	-1
Textile mill products	3,040	3,052	3,047	-0.4	+0.2	-0.8	2,946	2,984	3,022	2,825	+4
Paper and allied products	8,045	8,059	8,065	-0.2	-0.1	-0.2	7,988	8,001	8,056	7,746	+3
Chemicals and allied products	15,984	15,770	16,209	+1.4	-2.7	+0.6	15,744	15,582	16,203	15,314	+2
Petroleum and coal products	4,291	4,223	4,301	+1.6	-1.8	+0.5	4,299	4,229	4,282	3,675	+17
Rubber and plastics products	7,673	7,600	7,632	+1.0	-0.4	-0.7	7,596	7,511	7,628	7,122	+6
Apparel, printing and publishing and leather goods	9,357	9,368	9,273	-0.1	+1.0	+2.2	9,132	9,314	9,435	8,539	+6
WORK IN PROCESS											
All manufacturing industries	145,833	145,697	144,511	+0.1	+0.8	-0.1	147,595	147,529	144,694	148,138	-0
Durable goods industries	112,922	112,859	112,413	+0.1	+0.4	-0.2	113,890	113,595	112,504	116,630	-2
Stone, clay, and glass products	1,775	1,718	1,685	+3.3	+2.0	+0.3	1,669	1,640	1,652	1,471	+13
Primary metals	8,760	8,786	8,823	-0.3	-0.4	+0.4	8,660	8,715	8,803	8,206	+5
Fabricated metal products	9,371	9,393	9,241	-0.2	+1.6	-1.0	9,436	9,487	9,291	9,099	+3
Industrial machinery and equipment	20,851	20,780	20,207	+0.3	+2.8	-0.6	21,233	20,971	19,972	21,600	-1
Electronic and other electrical equipment	13,808	13,403	13,225	+3.0	+1.3	-4.6	13,696	13,215	13,097	13,927	-1
Transportation equipment	41,962	42,488	42,964	-1.2	-1.1	+1.4	42,746	43,305	43,378	46,354	-7
Instruments and related products	10,369	10,269	10,215	+1.0	+0.5	-0.9	10,470	10,228	10,165	10,219	+2
Lumber, furniture and miscellaneous durable goods	6,026	6,022	6,053	+0.1	-0.5	+1.9	5,980	6,034	6,146	5,754	+3
Nondurable goods industries	32,911	32,838	32,098	+0.2	+2.3	+0.1	33,705	33,934	32,190	31,508	+7
Food and kindred products	6,285	6,248	6,378	+0.6	-2.0	-1.4	6,859	6,923	6,369	6,957	-1
Tobacco products	77	105	99	-26.7	+6.1	+15.1	89	128	97	148	-39
Textile mill products	2,447	2,471	2,497	-1.0	-1.0	-0.1	2,439	2,486	2,510	2,463	-1
Paper and allied products	1,889	1,898	1,881	-0.5	+0.9	+0.7	1,821	1,821	1,864	1,712	+6
Chemicals and allied products	10,506	10,230	9,749	+2.7	+4.9	+0.1	10,655	10,337	9,671	8,898	+19
Petroleum and coal products	3,595	3,702	3,386	-2.9	+9.3	+1.8	3,674	3,831	3,427	3,194	+15
Rubber and plastics products	2,228	2,321	2,317	-4.0	+0.2	+0.5	2,250	2,347	2,324	2,261	-0
Apparel, printing and publishing and leather goods	5,884	5,863	5,791	+0.4	+1.2	+0.4	5,918	6,061	5,928	5,875	+0
FINISHED GOODS											
All manufacturing industries	182,511	182,805	180,627	-0.2	+1.2	+0.7	181,901	182,364	178,866	166,735	+9
Durable goods industries	95,739	95,564	93,712	+0.2	+2.0	+0.7	95,126	94,717	91,837	84,244	+12
Stone, clay, and glass products	5,238	5,190	5,197	+0.9	-0.1	+1.3	5,035	4,908	5,026	4,782	+5
Primary metals	8,368	8,381	8,364	-0.2	+0.2	+0.7	8,267	8,222	8,242	8,161	+1
Fabricated metal products	12,355	12,384	12,350	-0.2	+0.3	+1.0	12,082	12,102	11,995	11,358	+6
Industrial machinery and equipment	21,520	21,315	20,564	+1.0	+3.7	+1.5	21,843	21,195	19,928	18,683	+16
Electronic and other electrical equipment	14,570	14,550	13,950	+0.1	+4.3	+4.3	14,739	14,800	13,563	11,681	+26
Transportation equipment	11,412	11,522	11,294	-1.0	+2.0	-4.5	11,260	11,451	11,338	9,870	+14
Instruments and related products	8,284	8,255	8,160	+0.4	+1.2	-1.5	8,338	8,365	8,169	7,814	+6
Lumber, furniture and miscellaneous durable goods	13,992	13,967	13,833	+0.2	+1.0	+0.9	13,562	13,674	13,576	11,895	+14
Nondurable goods industries	86,772	87,241	86,915	-0.5	+0.4	+0.8	86,775	87,647	87,029	82,491	+5
Food and kindred products	20,273	20,467	20,395	-0.9	+0.4	-1.7	21,004	21,545	21,191	21,967	-4
Tobacco products	643	662	695	-2.9	-4.7	+1.0	847	791	666	643	+31
Textile mill products	4,969	4,964	4,951	+0.1	+0.3	+1.2	4,818	4,855	4,846	4,575	+5
Paper and allied products	7,318	7,353	7,324	-0.5	+0.4	-1.0	7,205	7,227	7,210	6,500	+10
Chemicals and allied products	24,790	25,067	24,966	-1.1	+0.4	+1.6	24,717	24,708	24,490	22,936	+7
Petroleum and coal products	6,590	6,631	6,744	-0.6	-1.7	+4.8	6,704	6,787	6,977	5,530	+21
Rubber and plastics products	8,737	8,802	8,713	-0.7	+1.0	+0.9	8,555	8,605	8,399	8,149	+5
Apparel, printing and publishing and leather goods	13,452	13,295	13,127	+1.2	+1.3	+2.1	12,925	13,129	13,250	12,191	+6

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revisions.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio[1]			
	Nov 2000[p]	Oct 2000[r]	Sep 2000	Aug 2000	Nov 2000[p]	Oct 2000[r]	Sep 2000	Aug 2000
All manufacturing industries	1.32	1.31	1.29	1.28	2.75	2.72	2.69	2.65
Durable goods industries	1.49	1.47	1.43	1.43	3.21	3.17	3.14	3.09
Stone, clay, and glass products	1.22	1.19	1.18	1.15	0.77	0.75	0.74	0.74
Primary metals	1.65	1.63	1.60	1.59	1.97	1.96	1.94	1.93
Fabricated metal products	1.65	1.63	1.62	1.60	1.36	1.34	1.33	1.30
Industrial machinery and equipment	1.49	1.46	1.44	1.43	2.28	2.22	2.24	2.22
Electronic and other electrical equipment	1.19	1.16	1.11	1.12	2.47	2.45	2.45	2.44
Transportation equipment	1.54	1.52	1.43	1.45	10.00	10.26	9.59	9.35
Instruments and related products	1.86	1.83	1.80	1.81	3.20	3.16	3.11	3.13
Nondurable goods industries	1.11	1.11	1.11	1.09	0.65	0.64	0.65	0.64
Food and kindred products	0.89	0.89	0.90	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.19	1.21	1.26	1.17	(X)	(X)	(X)	(X)
Textile mill products	1.69	1.67	1.67	1.64	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.21	1.19	1.20	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.39	1.39	1.39	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.71	0.71	0.71	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.32	1.31	1.28	(X)	(X)	(X)	(X)

[p] Preliminary [r] Revised

(X) Not Applicable (NA) Not Available

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Nov[1] 2000	Nov[2] 1995-1999	Nov 1999-Oct 2000	Nov[1] 2000	Nov[2] 1995-1999	Nov 1999-Oct 2000	Nov[1] 2000	Nov[2] 1995-1999	Nov 1999-Oct 2000	Nov[1] 2000	Nov[2] 1995-1999	Nov 1999-Oct 2000
All manufacturing industries	(X)	-0.1	0.1	(X)	-0.3	-0.1	(X)	0.0	-0.1	(X)	0.1	-0.1
Durable goods industries	0.3	-0.2	0.1	0.2	-0.4	-0.1	0.0	0.0	-0.1	(X)	0.1	0.0
Stone, clay, and glass products	(X)	-0.2	0.3	(X)	-0.9	0.2	(X)	-0.1	-0.1	(X)	0.0	-0.1
Primary metals	-0.2	-0.2	-0.1	0.2	0.2	0.1	0.2	0.0	0.1	(X)	0.0	-0.1
Fabricated metal products	(X)	-0.1	0.1	(X)	-0.6	-0.1	(X)	-0.2	-0.2	(X)	0.1	0.0
Industrial machinery and equipment	-0.3	-0.4	0.0	-0.6	-0.6	-0.4	-0.3	0.0	-0.2	(X)	0.1	-0.1
Electronic and other electrical equipment	1.8	0.1	-0.1	2.5	-1.3	-0.3	0.1	0.0	-0.1	(X)	0.2	0.0
Transportation equipment	0.2	-0.4	0.2	-0.3	0.5	-0.1	-0.1	0.1	0.0	(X)	-0.1	0.1
Instruments and related products	(X)	-0.6	0.1	(X)	-1.1	-0.6	(X)	-0.1	-0.2	(X)	0.0	0.0
Nondurable goods industries	(X)	-0.1	0.0	(X)	-0.1	0.0	(X)	0.2	0.1	(X)	0.1	-0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.1	0.1
Tobacco products	(X)	0.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	-0.1
Textile mill products	(X)	-0.1	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.0
Paper and allied products	(X)	-0.5	-0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	-0.2
Chemicals and allied products	(X)	-0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	-0.1
Petroleum and coal products	(X)	-0.1	-1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	-1.0
Rubber and plastics products	(X)	-0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries:												
Nondefense	-0.1	-0.3	0.1	-0.3	-0.1	-0.2	0.0	0.1	0.0	(X)	0.2	0.0
Defense	1.4	-0.7	0.0	-0.3	1.0	-1.9	-0.1	0.1	-0.1	(X)	0.3	0.0

(X) Not Applicable (NA) Not Available

NOTE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

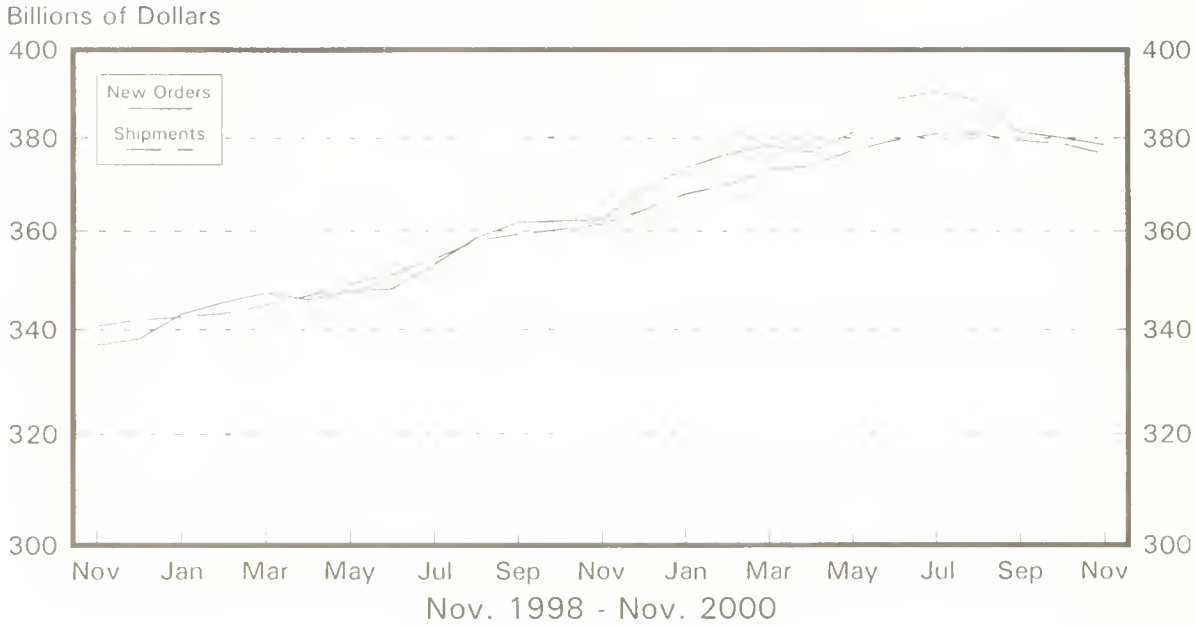
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of Table 2 relating to survey variability. In Table 9, the second column for each item represents the average revisions of the

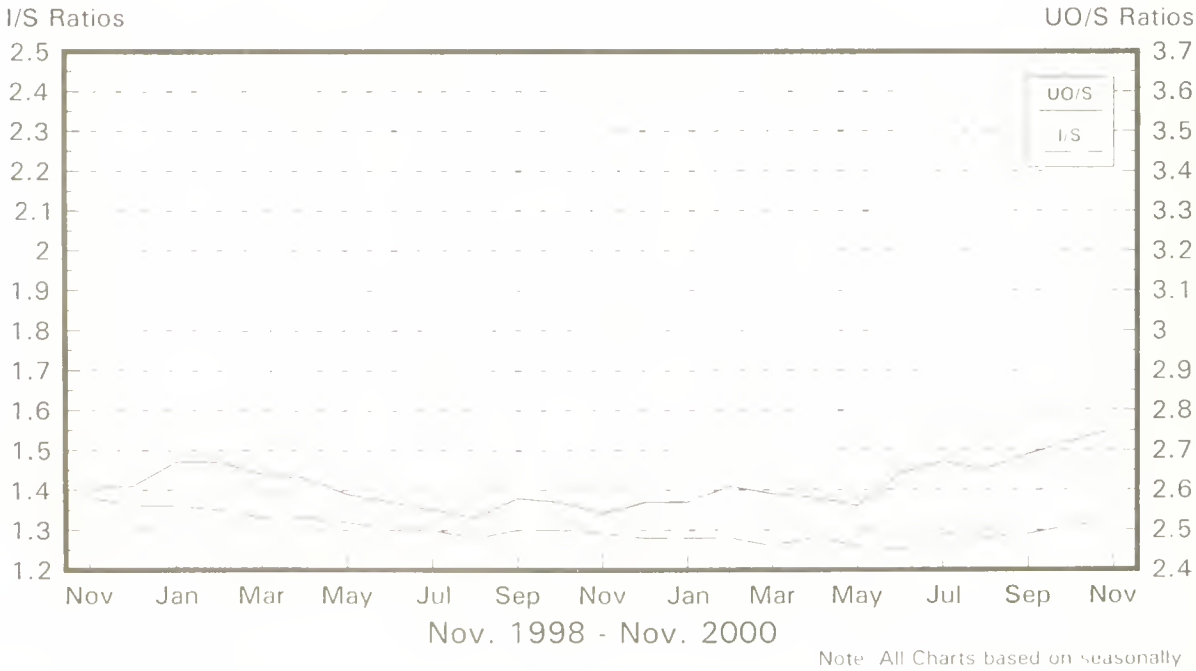
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

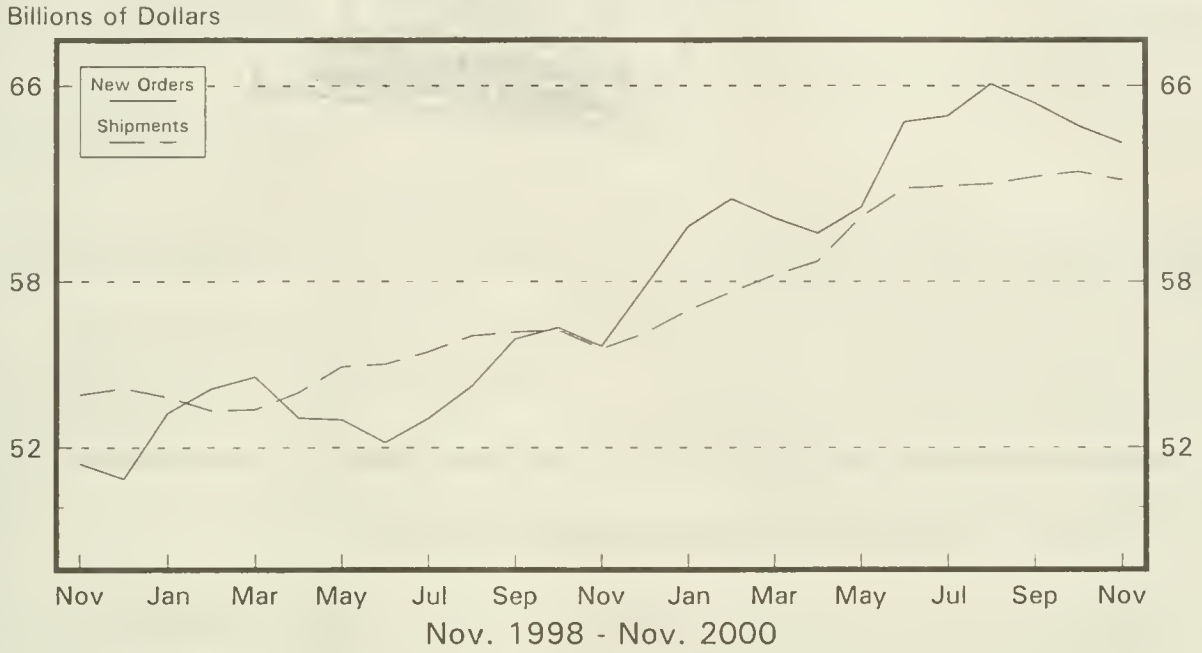
Ratio of Unfilled Orders and
Inventories to Shipments



Note All Charts based on seasonally adjusted current dollars

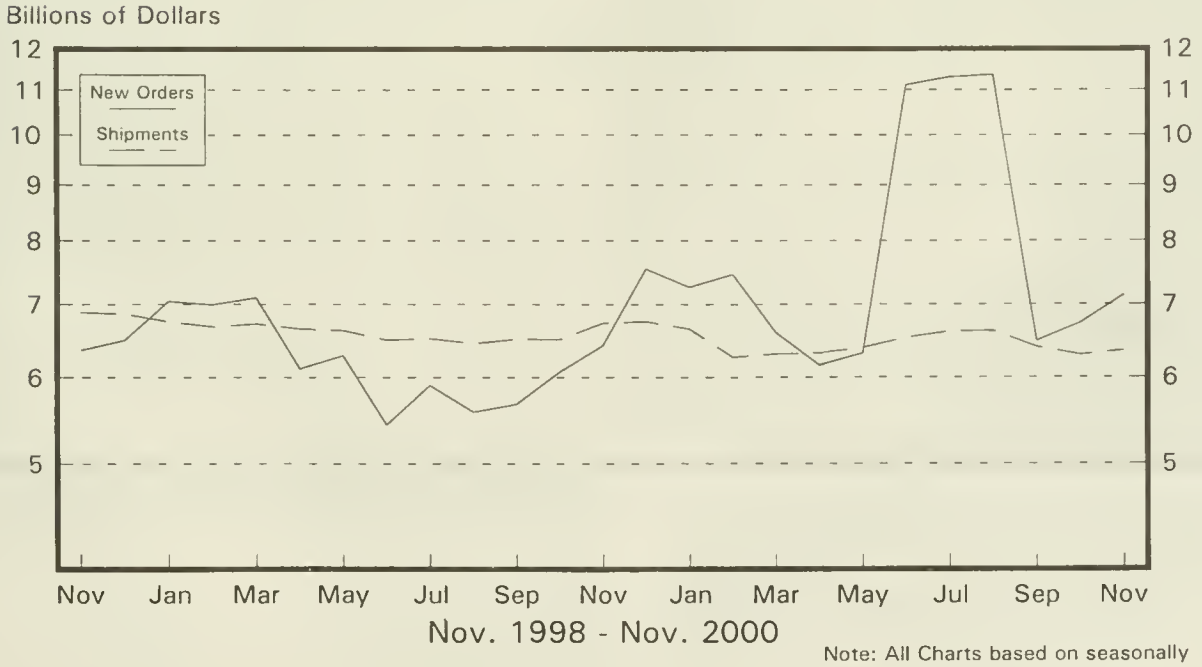
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
Washington, DC 20233

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Manufacturers' Shipments, Inventories, and Orders (M3) Survey

RELEASE DATES FOR 2000/2001

REPORT COVERING	ADVANCE REPORT (8:30 a.m. release time)	REGULAR REPORT (10:00 a.m. release time)
December 2000	Jan. 26, 2001	Feb. 2, 2001
January 2001	Feb. 27, 2001	Mar. 6, 2001
February 2001	Mar. 27, 2001	Apr. 3, 2001
March 2001	Apr. 25, 2001	May 2, 2001
April 2001	May 25, 2001 @ 10:00	Jun. 5, 2001
May 2001	Jun. 26, 2001	Jul. 3, 2001
June 2001	Jul. 26, 2001	Aug. 2, 2001
July 2001	Aug. 24, 2001	Aug. 31, 2001
August 2001	Sep. 27, 2001	Oct. 4, 2001
September 2001	Oct. 25, 2001	Nov. 2, 2001
October 2001	Nov. 29, 2001	Dec. 6, 2001
November 2001	Dec. 28, 2001	

C3.158: M 3-1-(00)-12

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

MAR 2 6 2001

December 2000
M3-1-(00)-12
For Wire Transmissions 10:00 a.m. EST February 2, 2001

For Data - (301) 457-4673
For Questions - Lee Wentela or Derrick Roy
(301) 457-4832 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $4.1 billion or 1.1 percent to $382.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.9 percent November increase. New orders for 2000 are 7.0 percent above 1999.

Shipments decreased $0.8 billion or 0.2 percent to $372.9 billion, following a 0.5 percent November decrease. This is the fourth consecutive decrease. Shipments for 2000 are 6.1 percent above 1999.

Unfilled orders increased $9.6 billion or 1.6 percent to $598.0 billion, following a 0.8 percent November increase. The unfilled orders-to-shipments ratio was 2.80, up from 2.75 in November.

Inventories increased $0.2 billion to $493.6 billion, following a 0.2 percent November increase. This is the ninth consecutive increase. The inventories-to-shipments ratio was 1.32, unchanged from November.

New Orders

New orders for manufactured durable goods in December increased $4.5 billion or 2.1 percent to $216.9 billion, revised from the previously published 2.2 percent increase.

Transportation equipment had the largest increase, $6.8 billion or 13.7 percent to $56.4 billion, due to aircraft and parts. Electronic and other electrical equipment increased $0.3 billion or 0.8 percent to $41.2 billion. Industrial machinery and equipment decreased $1.6 billion or 3.6 percent to $41.9 billion, mostly due to computer and office equipment. Primary metals, down three consecutive months, decreased $0.6 billion or 3.9 percent to $14.2 billion; this is the largest decrease since October 1998.

New orders for nondurable goods decreased $0.4 billion or 0.3 percent to $165.6 billion.

Shipments

Shipments of durable goods in December decreased $0.4 billion or 0.2 percent to $207.3 billion, revised from the previously published 0.5 percent decrease. This is the third consecutive decrease.

Primary metals, down six consecutive months, had the largest decrease, $0.6 billion or 3.7 percent to $14.6 billion; this is the largest decrease since June 1996. Industrial machinery and equipment decreased $0.4 billion or 0.8 percent to $42.7 billion. Transportation equipment, down three consecutive months, decreased $0.3 billion or 0.8 percent to $45.1 billion. Electronic and other electrical equipment increased $1.3 billion or 3.1 percent to $41.8 billion.

Shipments of nondurable goods decreased $0.4 billion or 0.2 percent to $165.6 billion. Petroleum and coal products had the largest decrease, $0.7 billion or 3.3 percent to $20.3 billion.

Unfilled Orders

Unfilled orders for durable goods in December increased $9.6 billion or 1.7 percent to $572.9 billion, revised from the previously published 1.4 percent increase.

Transportation equipment had the largest increase, $11.2 billion or 4.5 percent to $262.7 billion, due to aircraft and parts. Industrial machinery and equipment decreased $0.9 billion or 0.9 percent to $91.6 billion; decreases in computer and office equipment and metalworking machinery more than offset an increase in engines and turbines. Electronic and other electrical equipment decreased $0.6 billion or 0.6 percent to $99.2 billion. Primary metals, down thirteen of the last fourteen months, decreased $0.3 billion or 1.1 percent to $29.7 billion.

Inventories

Inventories of durable goods in December increased $0.8 billion or 0.2 percent to $310.4 billion. This is the ninth consecutive increase.

Industrial machinery and equipment had the largest increase, $1.1 billion or 1.8 percent to $64.9 billion. This is the ninth consecutive increase and the largest since January 1995. Electronic and other electrical equipment, up eight of the last nine months, increased $0.6 billion or 1.2 percent to $48.4 billion. Transportation equipment, down for the first time since June, decreased $0.9 billion or 1.3 percent to $68.8 billion.

Inventories of nondurable goods decreased $0.6 billion or 0.3 percent to $183.1 billion.

By stage of fabrication, December finished goods increased 1.2 percent in durables and 0.3 percent in nondurables. Work in process decreased 0.5 percent in durables and 0.4 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 1.1 percent in nondurables.

Our internet address is: http://www.census.gov/indicator/www/m3

The advance report on durable goods for January is scheduled for February 27, 2001 at 8:30 a.m. and the full report on March 6, 2001 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through STAT-USA/Internet at www.stat-usa.gov

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sept. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/99	2000[p]	1999
All manufacturing industries	372,897	373,703	375,428	-0.2	-0.5	-1.2	371,870	370,897	383,295	365,926	+1.6	4,514,324	4,259,53
Manufacturing industries													
with unfilled orders	213,848	213,614	214,956	+0.1	-0.6	-1.6	221,207	212,458	216,941	215,652	+2.6	2,581,725	2,430,32
without defense capital goods	366,217	367,224	369,191	-0.3	-0.5	-1.2	363,936	364,057	377,076	358,396	+1.5	4,436,984	4,180,13
Durable goods industries	207,286	207,715	209,833	-0.2	-1.0	-2.0	210,854	204,915	213,140	209,219	+0.8	2,531,728	2,407,47
With unfilled orders	175,387	175,165	176,137	+0.1	-0.6	-1.6	183,057	173,364	176,883	177,151	+3.3	2,113,256	1,979,17
Stone, clay, and glass products	7,990	8,308	8,677	-3.8	-4.3	-0.7	6,945	8,117	9,269	7,957	-12.7	104,196	103,77
Primary metals	14,577	15,138	15,477	-3.7	-2.2	-1.6	13,240	14,716	15,778	14,447	-8.4	188,619	178,46
Blast furnaces, steel mills	5,027	5,423	5,678	-7.3	-4.5	-0.6	4,525	5,200	5,777	5,587	-19.0	70,795	68,76
Iron and steel foundries	1,356	1,392	1,405	-2.6	-0.9	-0.2	1,157	1,347	1,474	1,347	-14.1	17,369	18,32
Nonferrous and other primary metals	8,194	8,323	8,394	-1.5	-0.8	-2.5	7,558	8,169	8,527	7,513	+0.6	100,455	91,37
Fabricated metal products	19,452	19,677	20,024	-1.1	-1.7	-0.8	17,919	19,561	21,041	18,867	-5.0	243,815	245,51
Industrial machinery and equipment	42,732	43,088	43,351	-0.8	-0.6	+0.2	46,143	39,743	41,991	42,025	+9.8	509,027	455,14
Engines and turbines	2,393	2,331	2,532	+2.7	-7.9	-3.7	2,965	2,243	2,360	3,219	-7.9	31,004	30,23
Farm and garden machinery	2,033	2,125	1,892	-4.3	+12.3	-8.7	1,424	1,463	1,608	1,354	+5.2	24,462	21,77
Construction, mining and material handling equipment	3,992	3,928	3,910	+1.6	+0.5	+1.6	3,804	3,501	3,771	3,652	+4.2	47,562	46,09
Metalworking machinery	3,748	3,759	3,739	-0.3	+0.5	-2.3	3,853	4,293	4,146	3,890	-1.0	45,482	44,12
Computer and office equipment	14,742	14,876	15,071	-0.9	-1.3	+1.3	18,471	13,451	13,854	14,410	+28.2	170,402	138,90
Electronic and other electrical equipment	41,828	40,565	40,651	+3.1	-0.2	-2.2	46,891	41,154	39,914	40,817	+14.9	482,413	413,20
Electrical transmission and distribution equipment and industrial apparatus	4,141	4,156	4,086	-0.4	+1.7	-1.8	4,132	3,944	3,836	3,957	+4.4	49,721	45,94
Household appliances	2,329	2,314	2,302	+0.6	+0.5	-3.9	2,245	2,223	2,213	2,296	-2.2	28,573	28,24
Electric lighting and wiring equipment	2,520	2,502	2,586	+0.7	-3.2	+0.3	2,805	2,561	2,511	2,941	-4.6	30,932	29,38
Household audio and video equipment	1,135	1,132	1,125	+0.3	+0.6	+4.7	1,085	1,307	1,385	955	+13.6	13,857	12,55
Communications equipment	10,625	10,210	10,570	+4.1	-3.4	-1.5	14,312	9,759	9,735	12,160	+17.7	122,795	101,37
Electronic components	18,916	18,212	18,027	+3.9	+1.0	-3.0	20,135	18,916	18,076	16,234	+24.0	210,886	168,46
Transportation equipment	45,110	45,456	45,655	-0.8	-0.4	-6.1	43,524	46,212	48,492	48,564	-10.4	572,222	583,55
Motor vehicles and parts	29,309	29,888	31,444	-1.9	-4.9	-4.2	25,367	30,139	34,800	30,109	-15.7	389,712	399,80
Aircraft, missiles, space vehicles, and parts	11,602	11,797	10,529	-1.7	+12.0	-12.2	13,981	12,352	9,975	14,445	-3.2	136,900	141,67
Shipbuilding and tanks	1,236	1,189	1,157	+4.0	+2.8	+14.0	1,414	1,213	1,145	1,058	+33.6	13,392	11,93
Instruments and related products	15,460	15,443	15,459	+0.1	-0.1	-0.7	16,827	15,637	15,175	16,385	+2.7	182,098	174,66
Search and navigation equipment	3,165	3,196	2,970	-1.0	+7.6	-2.5	3,626	3,253	2,858	3,555	+2.0	37,046	37,83
Measuring and controlling devices	5,265	5,110	5,269	+3.0	-3.0	-1.5	5,628	5,133	5,199	4,972	+13.2	59,768	51,02
Medical instruments and supplies	4,678	4,791	4,817	-2.4	-0.5	+0.8	5,164	4,752	4,611	5,295	-2.5	56,340	57,55
Photographic goods	1,820	1,805	1,882	+0.8	-4.1	-0.7	1,902	1,956	1,999	2,091	-9.0	22,747	22,39
All other durable goods	20,137	20,040	20,539	+0.5	-2.4	+0.6	19,365	19,775	21,480	20,157	-3.9	249,338	253,15
Nondurable goods industries	165,611	165,988	165,595	-0.2	+0.2	-0.2	161,016	165,982	170,155	156,707	+2.7	1,982,596	1,852,05
With unfilled orders	38,461	38,449	38,819	0.0	-1.0	-1.4	38,150	39,094	40,058	38,501	-0.9	468,469	451,14
Food and kindred products	43,425	43,128	42,649	+0.7	+1.1	+0.1	43,053	43,950	44,015	41,652	+3.4	510,776	500,90
Meat products	10,067	9,870	9,848	+2.0	+0.2	+0.7	10,047	9,927	10,007	9,413	+6.7	117,024	107,91
Dairy products	6,443	6,280	6,146	+2.6	+2.2	-2.1	6,471	6,591	5,997	6,256	+3.4	75,300	77,27
Beverages	6,839	6,948	6,780	-1.6	+2.5	-0.5	6,311	6,674	6,778	5,914	+6.7	80,332	76,05
All other foods, except fats and oils	18,208	18,127	17,994	+0.4	+0.7	+0.1	18,356	18,855	19,352	18,206	+0.8	216,419	217,54
Tobacco products	4,516	4,404	4,319	+2.5	+2.0	+0.3	4,304	4,560	4,376	4,016	+7.2	52,845	50,55
Textile mill products	6,176	6,163	6,261	+0.2	-1.6	-0.2	5,592	6,155	6,580	5,966	-6.3	76,702	78,35
Broadwoven fabrics and other textiles	3,379	3,408	3,482	-0.9	-2.1	-1.6	3,152	3,311	3,512	3,433	-8.2	42,703	44,36
Paper and allied products	14,263	14,261	14,253	0.0	+0.1	-1.6	13,988	14,105	14,512	14,095	-0.8	173,162	164,55
Pulp, paper, and paperboard mill products	5,527	5,565	5,624	-0.7	-1.0	-1.3	5,445	5,532	5,692	5,622	-3.1	68,737	63,57
Paperboard containers and boxes	3,785	3,791	3,819	-0.2	-0.7	+0.9	3,549	3,723	3,953	3,521	+0.8	46,528	41,45
Miscellaneous converted paper products	4,951	4,905	4,810	+0.9	+2.0	-3.7	4,994	4,850	4,867	4,952	+0.8	57,897	59,53
Chemicals and allied products	36,831	36,719	36,687	+0.3	+0.1	+0.1	36,743	35,224	36,246	35,458	+3.6	438,802	413,27
Industrial chemicals	15,416	15,585	15,901	-1.1	-2.0	-0.1	14,899	15,060	15,905	15,680	-5.0	190,745	183,40
Drugs, soaps, and toiletries	17,553	17,262	17,027	+1.7	+1.4	+0.4	18,557	16,981	17,084	16,414	+13.1	201,290	183,20
Petroleum and coal products	20,301	20,998	20,636	-3.3	+1.8	+1.4	19,704	21,372	21,498	17,075	+15.4	237,730	171,14
Rubber and plastics products	13,844	14,045	14,158	-1.4	-0.8	-0.5	12,369	13,515	14,622	12,978	-4.7	172,364	164,65
All other nondurable goods	26,255	26,270	26,632	-0.1	-1.4	-1.2	25,263	27,101	28,306	25,467	-0.8	320,215	308,61

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted [1]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sept. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/99	2000[p]	1999
All manufacturing industries	382,524	378,452	371,251	+1.1	+1.9	-4.0	378,366	372,080	380,278	376,534	+0.5	4,571,140	4,279,186
Manufacturing industries													
with unfilled orders	223,475	218,363	210,779	+2.3	+3.6	-6.3	227,703	213,641	213,924	226,260	+0.6	2,638,541	2,449,982
without defense capital goods	376,214	370,090	364,416	+1.7	+1.6	-4.3	369,180	363,777	374,220	364,867	+1.2	4,477,159	4,201,858
Durable goods industries	216,911	212,391	206,060	+2.1	+3.1	-6.6	217,611	205,997	211,266	220,085	-1.1	2,589,168	2,425,161
With unfilled orders	185,012	179,841	172,364	+2.9	+4.3	-7.1	189,814	174,446	175,009	188,017	+1.0	2,170,696	1,996,867
Stone, clay, and glass products	7,914	8,327	8,710	-5.0	-4.4	+0.5	6,859	8,158	9,270	7,991	-14.2	104,062	103,939
Primary metals	14,248	14,819	15,225	-3.9	-2.7	-3.4	13,553	14,404	14,900	14,859	-8.8	186,377	180,740
Blast furnaces, steel mills	4,863	5,097	5,307	-4.6	-4.0	-6.6	4,682	4,967	5,104	5,788	-19.1	68,432	70,364
Iron and steel foundries	1,501	1,493	1,462	+0.5	+2.1	+12.0	1,403	1,418	1,502	1,459	-3.8	17,818	17,635
Nonferrous and other primary metals	7,884	8,229	8,456	-4.2	-2.7	-3.6	7,468	8,019	8,294	7,612	-1.9	100,127	92,741
Fabricated metal products	19,508	19,566	20,065	-0.3	-2.5	-1.1	17,989	19,188	20,825	19,402	-7.3	243,902	244,831
Industrial machinery and equipment	41,857	43,419	43,313	-3.6	+0.2	-0.2	44,260	40,939	42,423	41,425	+6.8	518,917	461,926
Engines and turbines	3,435	3,109	2,320	+10.5	+34.0	-26.4	3;921	3,125	2,363	3,194	+22.8	38,373	36,311
Construction, mining and material handling equipment	3,876	3,737	3,823	+3.7	-2.2	-5.0	3,800	3,371	3,759	3,671	+3.5	47,170	45,043
Metalworking machinery	3,273	3,543	3,417	-7.6	+3.7	-14.4	3,378	4,077	3,824	3,624	-6.8	44,780	44,165
Computer and office equipment	14,013	15,487	15,554	-9.5	-0.4	+7.4	17,226	14,525	14,248	14,755	+16.7	171,448	139,640
Electronic and other electrical equipment	41,247	40,904	38,132	+0.8	+7.3	-11.8	42,846	38,283	40,903	43,695	-1.9	493,980	439,085
Electrical transmission and distribution equipment and industrial apparatus	4,202	4,326	4,235	-2.9	+2.1	+0.8	4,128	4,035	4,073	3,928	+5.1	50,550	46,660
Electric lighting and wiring equipment	2,563	2,405	2,679	+6.6	-10.2	+17.7	2,848	2,464	2,604	2,978	-4.4	30,964	29,397
Communications equipment	10,149	10,218	10,172	-0.7	+0.5	-7.6	13,920	9,951	9,874	14,607	-4.7	126,829	109,936
Electronic components	19,138	18,209	15,808	+5.1	+15.2	-20.7	17,070	15,798	18,552	16,472	+3.6	216,707	185,282
Transportation equipment	56,354	49,569	44,100	+13.7	+12.4	-17.3	55,741	49,538	45,896	55,238	+0.9	607,357	567,357
Aircraft, missiles, space vehicles, and parts	23,011	15,901	9,352	+44.7	+70.0	-44.8	26,287	15,718	7,911	19,021	+38.2	174,512	128,172
Shipbuilding and tanks	1,396	1,795	1,279	-22.2	+40.3	+10.5	1,451	1,805	1,223	2,288	-36.6	12,952	12,136
Instruments and related products	15,552	15,724	15,952	-1.1	-1.4	+2.5	17,489	15,938	15,481	17,807	-1.8	184,821	173,972
Search and navigation equipment	2,736	3,290	3,169	-16.8	+3.8	+9.0	3,838	3,481	2,648	4,472	-14.2	37,530	36,825
Measuring and controlling devices	5,768	5,187	5,536	+11.2	-6.3	+3.2	6,131	5,210	5,466	5,229	+17.2	61,156	50,976
Medical instruments and supplies	4,698	4,887	4,816	-3.9	+1.5	-1.7	5,082	4,750	4,838	5,509	-7.8	57,167	58,008
All other durable goods	20,231	20,063	20,563	+0.8	-2.4	+0.6	18,874	19,549	21,568	19,668	-4.0	249,752	253,361
Nondurable goods industries	165,613	166,061	165,191	-0.3	+0.5	-0.5	160,755	166,083	169,012	156,449	+2.8	1,981,972	1,854,025
With unfilled orders	38,463	38,522	38,415	-0.2	+0.3	-2.7	37,889	39,195	38,915	38,243	-0.9	467,845	453,115

Preliminary ' Revised

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a et dollar increase from the prior month to the current month.

lote: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is onsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling rror cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, urrent Industrial Reports: M3-1(97), "Manufacturers' Shipments, Inventories, and Orders: 1987-1997."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/99
All manufacturing industries	597,998	588,371	583,622	+1.6	+0.8	-0.7	589,507	583,011	581,828	532,691	+10.7
Manufacturing industries without defense capital goods	487,217	477,220	474,354	+2.1	+0.6	-1.0	479,226	473,982	474,262	439,051	+9.2
Durable goods industries	572,903	563,278	558,602	+1.7	+0.8	-0.7	565,219	558,462	557,380	507,779	+11.3
Stone, clay, and glass products	6,201	6,277	6,258	-1.2	+0.3	+0.5	6,103	6,189	6,148	6,237	-2.1
Primary metals	29,683	30,012	30,331	-1.1	-1.1	-0.8	28,879	28,566	28,878	31,121	-7.2
Blast furnaces, steel mills	10,686	10,850	11,176	-1.5	-2.9	-3.2	10,270	10,113	10,346	12,633	-18.7
Iron and steel foundries	5,200	5,055	4,954	+2.9	+2.0	+1.2	5,113	4,867	4,796	4,664	+9.6
Nonferrous and other primary metals	13,797	14,107	14,201	-2.2	-0.7	+0.4	13,496	13,586	13,736	13,824	-2.4
Fabricated metal products	25,306	25,250	25,361	+0.2	-0.4	+0.2	24,835	24,765	25,138	24,748	+0.4
Industrial machinery and equipment	91,630	92,505	92,174	-0.9	+0.4	0.0	91,117	93,000	91,804	81,227	+12.2
Engines and turbines	31,773	30,731	29,953	+3.4	+2.6	-0.7	32,167	31,211	30,329	24,798	+29.7
Construction, mining and material handling equipment	8,369	8,485	8,676	-1.4	-2.2	-1.0	8,187	8,191	8,321	8,579	-4.6
Metalworking machinery	5,788	6,263	6,479	-7.6	-3.3	-4.7	5,788	6,263	6,479	6,490	-10.8
Computer and office equipment	9,856	10,585	9,974	-6.9	+6.1	+5.1	9,727	10,972	9,898	8,681	+12.0
Electronic and other electrical equipment	99,243	99,824	99,485	-0.6	+0.3	-2.5	95,254	99,299	102,170	83,687	+13.8
Electrical transmission and distribution equipment and industrial apparatus	7,899	7,838	7,668	+0.8	+2.2	+2.0	7,725	7,729	7,638	6,896	+12.0
Electric lighting and wiring equipment	5,064	5,021	5,118	+0.9	-1.9	+1.9	5,064	5,021	5,118	5,032	+0.6
Communications equipment	29,241	29,717	29,709	-1.6	0.0	-1.3	29,657	30,049	29,857	25,623	+15.7
Electronic components	50,161	49,939	49,942	+0.4	0.0	-4.3	46,295	49,360	52,478	40,474	+14.4
Transportation equipment	262,664	251,420	247,307	+4.5	+1.7	-0.6	261,517	249,300	245,974	226,382	+15.5
Aircraft, missiles, space vehicles, and parts	229,123	217,714	213,610	+5.2	+1.9	-0.5	228,120	215,814	212,448	190,508	+19.7
Shipbuilding and tanks	19,170	19,010	18,404	+0.8	+3.3	+0.7	19,088	19,051	18,459	19,528	-2.3
Instruments and related products	49,251	49,159	48,878	+0.2	+0.6	+1.0	49,219	48,557	48,256	46,496	+5.9
Search and navigation equipment	25,817	26,246	26,152	-1.6	+0.4	+0.8	25,904	25,692	25,464	25,420	+1.9
Measuring and controlling devices	11,520	11,017	10,940	+4.6	+0.7	+2.5	11,520	11,017	10,940	10,132	+13.7
Medical instruments and supplies	10,976	10,956	10,860	+0.2	+0.9	0.0	10,862	10,944	10,946	10,035	+8.2
All other durable goods	8,925	8,831	8,808	+1.1	+0.3	+0.3	8,295	8,786	9,012	7,881	+5.3
Nondurable goods industries	25,095	25,093	25,020	0.0	+0.3	-1.6	24,288	24,549	24,448	24,912	-2.5

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Dec. 2000p	Nov. 2000r	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2000p	Nov. 2000r	Oct. 2000	Dec. 1999	Dec. 00/99
All manufacturing industries	493,582	493,386	492,282	0.0	+0.2	+0.7	482,178	494,975	493,684	460,048	+4.8
Manufacturing industries											
with unfilled orders	327,214	326,747	325,239	+0.1	+0.5	+0.9	317,755	327,349	325,461	301,638	+5.3
without defense capital goods	474,974	474,115	473,369	+0.2	+0.2	+0.7	464,142	475,783	474,788	441,436	+5.1
Durable goods industries	310,436	309,680	308,247	+0.2	+0.5	+1.0	302,128	310,999	308,352	287,124	+5.2
With unfilled orders	284,622	283,786	282,113	+0.3	+0.6	+0.9	276,589	284,901	282,486	262,050	+5.5
Stone, clay, and glass products	10,705	10,457	10,314	+2.4	+1.4	+0.1	10,503	10,117	9,941	9,682	+8.5
Primary metals	25,027	25,114	25,169	-0.3	-0.2	+0.1	25,129	25,081	25,090	24,445	+2.8
Blast furnaces, steel mills	11,974	12,038	12,192	-0.5	-1.3	-0.4	12,184	12,111	12,247	11,792	+3.3
Iron and steel foundries	1,634	1,624	1,621	+0.6	+0.2	+0.6	1,600	1,578	1,578	1,580	+1.3
Nonferrous and other primary metals	11,419	11,452	11,356	-0.3	+0.8	+0.5	11,345	11,392	11,265	11,073	+2.5
Fabricated metal products	32,584	32,625	32,679	-0.1	-0.2	+0.2	31,975	32,341	32,423	30,846	+3.7
Industrial machinery and equipment	64,948	63,822	63,432	+1.8	+0.6	+1.5	62,968	64,611	63,425	58,283	+8.0
Engines and turbines	5,336	4,921	5,032	+8.4	-2.2	+5.5	4,901	5,171	5,197	4,228	+15.9
Farm and garden machinery	3,913	3,837	3,819	+2.0	+0.5	+2.9	4,206	3,905	3,612	4,085	+3.0
Construction, mining and material handling equipment	9,313	9,153	9,024	+1.7	+1.4	+0.1	9,177	9,152	8,935	8,765	+4.7
Metalworking machinery	8,234	8,403	8,416	-2.0	-0.2	+1.2	7,682	8,315	8,549	7,509	+2.3
Computer and office equipment	9,625	9,312	8,958	+3.4	+4.0	+2.1	9,100	9,641	8,953	8,179	+11.3
Electronic and other electrical equipment	48,381	47,812	47,177	+1.2	+1.3	+2.5	46,736	47,961	47,198	42,063	+11.1
Electrical transmission and distribution equipment and industrial apparatus	5,835	5,767	5,773	+1.2	-0.1	+1.8	5,795	5,855	5,828	5,315	+9.0
Household appliances	2,744	2,593	2,689	+5.8	-3.6	+1.1	2,480	2,487	2,640	2,260	+9.7
Electric lighting and wiring equipment	4,271	4,108	4,075	+4.0	+0.8	-0.2	4,033	4,108	4,140	3,568	+13.0
Household audio and video equipment	1,259	1,227	1,233	+2.6	-0.5	+2.8	1,197	1,224	1,284	1,077	+11.1
Communications equipment	12,572	12,339	11,991	+1.9	+2.9	+3.8	12,181	12,619	11,979	11,638	+4.7
Electronic components	17,460	17,430	17,045	+0.2	+2.3	+3.1	17,016	17,419	16,963	14,603	+16.5
Transportation equipment	68,845	69,718	69,623	-1.3	+0.1	+0.4	66,269	70,757	70,231	66,729	-0.7
Motor vehicles and parts	18,423	18,596	18,938	-0.9	-1.8	0.0	17,845	18,735	18,918	17,506	+1.9
Aircraft, missiles, space vehicles, and parts	44,090	44,589	44,226	-1.1	+0.8	+0.2	42,292	45,537	44,921	43,469	-2.7
Shipbuilding and tanks	2,541	2,623	2,582	-3.1	+1.6	+2.5	2,514	2,577	2,500	2,350	+7.0
Instruments and related products	28,623	28,544	28,328	+0.3	+0.8	+1.3	27,701	28,641	28,440	26,267	+5.5
Search and navigation equipment	6,750	6,787	6,752	-0.5	+0.5	0.0	6,543	6,793	6,751	6,660	-1.8
Measuring and controlling devices	9,432	9,446	9,350	-0.1	+1.0	+2.1	9,159	9,448	9,342	8,012	+14.3
Medical instruments and supplies	9,171	9,104	9,038	+0.7	+0.7	+1.6	8,928	9,179	9,063	8,725	+2.3
Photographic goods	2,533	2,479	2,453	+2.2	+1.1	+0.6	2,343	2,493	2,542	2,160	+8.5
All other durable goods	31,323	31,588	31,525	-0.8	+0.2	+0.2	30,847	31,490	31,604	28,809	+7.1
Nondurable goods industries	183,146	183,706	184,035	-0.3	-0.2	+0.3	180,050	183,976	185,332	172,924	+4.1
With unfilled orders	42,592	42,961	43,126	-0.9	-0.4	+0.6	41,166	42,448	42,975	39,588	+4.0
Food and kindred products	37,948	37,968	38,136	-0.1	-0.4	-0.1	37,980	39,307	40,102	39,250	-3.2
Meat products	4,749	4,696	4,682	+1.1	+0.3	+0.6	4,472	4,651	4,703	4,216	+6.1
Dairy products	3,663	3,715	3,786	-1.4	-1.9	-2.0	3,380	3,581	3,793	3,575	-5.5
Beverages	8,971	8,947	8,961	+0.3	-0.2	+0.6	8,914	9,114	9,173	8,903	+0.1
All other foods, except fats and oils	18,976	19,029	19,083	-0.3	-0.3	-0.7	19,589	20,280	20,684	20,918	-6.4
Tobacco products	5,023	5,222	5,230	-3.8	-0.2	-3.3	5,324	5,468	5,415	5,493	-3.1
Textile mill products	10,464	10,506	10,487	-0.4	+0.2	-0.1	10,024	10,265	10,325	9,756	+2.7
Broadwoven fabrics and other textiles	6,089	6,133	6,104	-0.7	+0.5	+0.3	5,911	6,080	6,020	5,954	-0.7
Paper and allied products	17,113	17,226	17,310	-0.7	-0.5	+0.2	16,920	17,008	17,049	15,955	+6.0
Pulp, paper, and paperboard mill products	6,848	6,825	6,811	+0.3	+0.2	+0.3	6,798	6,737	6,707	6,298	+7.9
Paperboard containers and boxes	4,392	4,422	4,495	-0.7	-1.6	-0.3	4,384	4,339	4,416	4,173	+5.1
Miscellaneous converted paper products	5,873	5,979	6,004	-1.8	-0.4	+0.6	5,738	5,932	5,926	5,484	+4.6
Chemicals and allied products	51,358	51,229	51,067	+0.3	+0.3	+0.3	50,785	51,077	50,627	47,055	+7.9
Industrial chemicals	20,362	20,501	20,471	-0.7	+0.1	-0.8	20,489	20,343	20,155	19,673	+4.1
Drugs, soaps, and toiletries	24,850	24,668	24,537	+0.7	+0.5	+1.0	24,114	24,782	24,584	21,432	+12.5
Petroleum and coal products	14,056	14,279	14,556	-1.6	-1.9	+0.9	13,317	14,511	14,847	11,741	+13.4
Rubber and plastics products	18,813	18,618	18,723	+1.0	-0.6	+0.3	18,618	18,352	18,463	17,456	+6.7
All other nondurable goods	28,371	28,658	28,526	-1.0	+0.5	+1.2	27,082	27,988	28,504	26,218	+3.3

Preliminary r Revised

See note at end of Table 2 relating to survey error and revision

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted[2]						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sept. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/99	2000[p]	1999
SHIPMENTS													
All manufacturing industries	372,897	373,703	375,428	-0.2	-0.5	-1.2	371,870	370,897	383,295	365,926	+1.6	4,514,324	4,259,532
Market categories:													
Automotive equipment	14,978	15,123	15,708	-1.0	-3.7	-4.6	13,082	15,263	17,366	14,907	-12.2	194,288	195,472
Home goods and apparel	20,245	20,280	20,458	-0.2	-0.9	+0.9	18,120	20,669	22,185	18,537	-2.2	247,888	239,710
Consumer staples	81,957	81,768	80,862	+0.2	+1.1	0.0	82,246	82,717	82,678	77,026	+6.8	961,567	887,224
Machinery and equipment	73,179	73,134	73,198	+0.1	-0.1	-2.4	80,899	70,265	71,899	77,493	+4.4	878,006	816,782
Business supplies	28,530	28,561	28,549	-0.1	0.0	-0.4	28,586	29,069	29,428	27,595	+3.6	339,696	319,628
Construction materials and supplies	21,866	22,079	22,762	-1.0	-3.0	-0.6	20,088	21,425	23,810	21,833	-8.0	276,588	277,039
Defense products	6,903	6,700	6,445	+3.0	+4.0	-1.8	8,020	7,012	6,393	7,598	+5.6	79,950	82,205
Other materials, supplies and intermediate products	125,239	126,058	127,446	-0.6	-1.1	-1.5	120,829	124,477	129,536	120,937	-0.1	1,536,341	1,441,472
Durable goods industries:													
Nondefense capital goods [3]	61,901	61,888	61,404	0.0	+0.8	-2.3	71,916	58,985	58,456	66,365	+8.4	730,856	659,952
Excluding aircraft and parts	53,791	53,377	54,111	+0.8	-1.4	-0.3	62,131	50,211	51,766	55,997	+11.0	634,754	561,200
Defense capital goods [4]	6,680	6,479	6,237	+3.1	+3.9	-2.2	7,934	6,840	6,219	7,530	+5.4	77,340	79,401
Durables excluding capital goods	138,705	139,348	142,192	-0.5	-2.0	-1.9	131,004	139,090	148,465	135,324	-3.2	1,723,532	1,668,120
Miscellaneous series:													
Producers' durable equipment	134,203	134,471	136,035	-0.2	-1.1	-2.1	138,218	131,711	137,975	137,780	+0.3	1,642,198	1,569,970
Household durable goods	10,833	10,915	11,018	-0.8	-0.9	+2.0	10,347	11,279	11,590	10,493	-1.4	132,287	125,206
Information technology industries	33,353	32,979	33,655	+1.1	-2.0	-0.2	41,268	31,293	31,571	34,580	+19.3	386,389	324,882
Health care equipment and products	14,170	14,125	14,033	+0.3	+0.7	+0.5	15,174	13,930	13,863	14,173	+7.1	165,367	156,913
NEW ORDERS													
All manufacturing industries	382,524	378,452	371,251	+1.1	+1.9	-4.0	378,366	372,080	380,278	376,534	+0.5	4,571,140	4,279,186
Market categories:													
Automotive equipment	14,919	15,138	15,638	-1.4	-3.2	-5.2	13,043	15,224	17,313	14,994	-13.0	194,127	195,553
Home goods and apparel	20,074	20,579	20,589	-2.5	0.0	+1.7	17,536	20,849	22,211	18,078	-3.0	248,012	240,005
Consumer staples	81,902	81,803	80,796	+0.1	+1.2	-0.2	82,151	82,740	82,427	77,094	+6.6	961,418	888,027
Machinery and equipment	82,426	75,578	71,297	+9.1	+6.0	-13.0	88,928	73,188	70,375	82,621	+7.6	913,051	815,394
Business supplies	28,375	28,613	28,516	-0.8	+0.3	-1.1	28,271	29,141	29,172	27,576	+2.5	339,557	320,305
Construction materials and supplies	21,810	22,011	22,881	-0.9	-3.8	+0.7	20,022	21,287	23,764	21,905	-8.6	276,748	277,167
Defense products	6,463	8,333	6,915	-22.4	+20.5	+13.7	9,113	8,311	6,288	11,471	-20.6	95,196	80,373
Other materials, supplies and intermediate products	126,555	126,397	124,619	+0.1	+1.4	-3.7	119,302	121,340	128,728	122,795	-2.8	1,543,031	1,462,362
Durable goods industries:													
Nondefense capital goods [3]	72,052	64,526	59,332	+11.7	+8.8	-13.4	80,941	62,392	56,830	71,776	+12.8	765,554	659,457
Excluding aircraft and parts	52,026	53,003	54,021	-1.8	-1.9	-2.9	59,240	50,606	52,122	58,346	+1.5	647,264	569,833
Defense capital goods [4]	6,310	8,362	6,835	-24.5	+22.3	+13.2	9,186	8,303	6,058	11,667	-21.3	93,981	77,328
Durables excluding capital goods	138,549	139,503	139,893	-0.7	-0.3	-4.3	127,484	135,302	148,378	136,642	-6.7	1,729,633	1,688,376
Miscellaneous series:													
Producers' durable equipment	141,580	137,091	134,390	+3.3	+2.0	-8.0	143,824	134,316	136,858	142,663	+0.8	1,676,820	1,566,941
Household durable goods	10,729	11,264	11,124	-4.7	+1.3	+3.9	9,898	11,522	11,720	10,252	-3.5	132,391	125,491
Information technology industries	32,460	33,482	34,456	-3.1	-2.8	+1.1	39,891	32,245	32,290	37,639	+6.0	391,359	330,613
Health care equipment and products	14,190	14,220	14,032	-0.2	+1.3	-0.4	15,089	13,926	14,090	14,386	+4.9	166,196	157,363

[p] Preliminary [r] Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include: ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include: ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks, and tank components; and search and navigation equipment.

See note at end of Table 2 relating to survey error and revision.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES [1]

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/99
UNFILLED ORDERS											
All manufacturing industries	597,998	588,371	583,622	+1.6	+0.8	-0.7	589,507	583,011	581,828	532,691	+10.7
Market categories:											
Automotive equipment	2,383	2,441	2,426	-2.4	+0.6	-2.8	2,325	2,365	2,404	2,486	-6.5
Home goods and apparel	9,359	9,531	9,231	-1.8	+3.2	+1.5	8,731	9,315	9,136	8,608	+1.4
Consumer staples	3,003	3,058	3,023	-1.8	+1.2	-2.1	2,917	3,013	2,989	3,066	-4.9
Machinery and equipment	275,577	266,330	263,885	+3.5	+0.9	-0.7	274,237	266,208	263,285	239,191	+14.7
Business supplies	7,336	7,491	7,439	-2.1	+0.7	-0.4	7,056	7,371	7,298	7,196	-1.9
Construction materials and supplies	17,812	17,868	17,936	-0.3	-0.4	+0.7	17,527	17,593	17,731	17,368	+0.9
Defense products	104,571	105,010	103,377	-0.4	+1.6	+0.5	104,331	103,238	101,939	89,083	+17.1
Other materials, supplies and intermediate products	177,957	176,642	176,305	+0.7	+0.2	-1.6	172,383	173,908	177,046	165,693	+4.0
Durable goods industries:											
Nondefense capital goods [3]	292,113	281,962	279,324	+3.6	+0.9	-0.7	291,293	282,268	278,861	256,595	+13.5
Excluding aircraft and parts	128,548	130,313	130,687	-1.4	-0.3	-0.1	127,728	130,619	130,224	115,218	+10.9
Defense capital goods [4]	110,781	111,151	109,268	-0.3	+1.7	+0.6	110,281	109,029	107,566	93,640	+17.8
Durables excluding capital goods	170,009	170,165	170,010	-0.1	+0.1	-1.3	163,645	167,165	170,953	157,544	+3.9
Miscellaneous series:											
Producers' durable equipment	313,562	306,185	303,565	+2.4	+0.9	-0.5	311,148	305,542	302,937	276,526	+12.5
Household durable goods	5,947	6,051	5,702	-1.7	+6.1	+1.9	5,550	5,999	5,756	5,446	+1.9
Information technology industries	49,940	50,833	50,330	-1.8	+1.0	+1.6	49,817	51,194	50,242	44,847	+11.1
Health care equipment and products	11,021	11,001	10,906	+0.2	+0.9	0.0	10,905	10,989	10,993	10,076	+8.2
TOTAL INVENTORIES											
All manufacturing industries	493,582	493,386	492,282	0.0	+0.2	+0.7	482,178	494,975	493,684	460,048	+4.8
Market categories:											
Automotive equipment	9,321	9,418	9,551	-1.0	-1.4	+0.8	8,810	9,429	9,536	8,411	+4.7
Home goods and apparel	34,003	33,984	33,860	+0.1	+0.4	+0.4	32,627	32,942	33,539	30,522	+6.9
Consumer staples	79,910	80,145	80,318	-0.3	-0.2	+0.1	78,824	81,752	82,451	75,925	+3.8
Machinery and equipment	120,170	118,861	118,039	+1.1	+0.7	+1.3	115,751	120,769	118,626	111,057	+4.2
Business supplies	29,786	30,079	30,266	-1.0	-0.6	+0.8	28,778	30,051	30,485	27,461	+4.8
Construction materials and supplies	32,635	32,343	32,250	+0.9	+0.3	+0.4	31,908	31,958	31,961	29,968	+6.5
Defense products	18,136	18,792	18,384	-3.5	+2.2	-0.2	17,624	18,706	18,348	18,171	-3.0
Other materials, supplies and intermediate products	169,621	169,764	169,614	-0.1	+0.1	+0.7	167,856	169,368	168,738	158,533	+5.9
Durable goods industries:											
Nondefense capital goods [3]	111,205	109,848	108,993	+1.2	+0.8	+1.4	106,990	111,876	109,840	101,952	+4.9
Excluding aircraft and parts	79,210	77,936	77,123	+1.6	+1.1	+2.0	76,351	78,997	77,329	70,626	+8.1
Defense capital goods [4]	18,608	19,271	18,913	-3.4	+1.9	-0.1	18,036	19,192	18,896	18,612	-3.1
Durables excluding capital goods	180,623	180,561	180,341	0.0	+0.1	+0.8	177,102	179,931	179,616	166,560	+6.3
Miscellaneous series:											
Producers' durable equipment	200,122	199,264	198,762	+0.4	+0.3	+1.1	193,783	200,989	199,290	184,005	+5.3
Household durable goods	18,116	17,952	18,067	+0.9	-0.6	-0.1	17,375	17,645	18,078	15,894	+9.3
Information technology industries	37,098	36,554	35,687	+1.5	+2.4	+2.5	35,607	37,176	35,740	32,727	+8.8
Health care equipment and products	22,598	22,436	22,302	+0.7	+0.6	+1.3	21,962	22,570	22,351	20,332	+8.0

Preliminary [r] Revised

See footnotes at end of Table 5

See note at end of Table 2 relating to survey error and revisions.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percer Chang
	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Nov. - Dec.	Oct. - Nov.	Sep. - Oct.	Dec. 2000[p]	Nov. 2000[r]	Oct. 2000	Dec. 1999	Dec. 00/9
MATERIALS AND SUPPLIES											
All manufacturing industries	164,415	164,976	163,780	-0.3	+0.7	0.0	164,118	165,116	163,791	157,994	+3
Durable goods industries	100,696	100,539	99,824	+0.2	+0.7	+0.6	100,476	101,207	100,040	95,520	+5
Stone, clay, and glass products	3,423	3,419	3,406	+0.1	+0.4	-0.4	3,448	3,419	3,393	3,336	+3
Primary metals	7,778	8,006	8,002	-2.8	0.0	+0.5	8,102	8,184	8,153	8,050	+0
Fabricated metal products	10,798	10,893	10,902	-0.9	-0.1	-1.2	10,891	10,822	10,834	10,913	-0
Industrial machinery and equipment	22,298	21,370	21,337	+4.3	+0.2	-1.7	21,901	21,507	21,259	20,426	+7
Electronic and other electrical equipment	19,372	19,422	19,224	-0.3	+1.0	+2.1	19,078	19,519	19,183	17,274	+10
Transportation equipment	15,526	15,891	15,613	-2.3	+1.8	+3.5	15,402	15,904	15,475	14,965	+2
Instruments and related products	10,065	9,951	9,804	+1.1	+1.5	+2.1	9,910	9,902	9,847	9,177	+8
Lumber, furniture and miscellaneous durable goods	11,436	11,587	11,536	-1.3	+0.4	-0.3	11,744	11,950	11,896	11,379	+3
Nondurable goods industries	63,719	64,437	63,956	-1.1	+0.8	-0.9	63,642	63,909	63,751	62,474	+1
Food and kindred products	11,330	11,492	11,421	-1.4	+0.6	+0.2	11,393	11,543	11,634	11,795	-3
Tobacco products	4,239	4,461	4,463	-5.0	0.0	-3.3	4,487	4,478	4,496	4,844	-7
Textile mill products	3,021	3,046	3,052	-0.8	-0.2	+0.2	2,973	2,954	2,984	2,842	+4
Paper and allied products	7,920	8,028	8,059	-1.3	-0.4	-0.1	7,965	7,983	8,001	7,827	+1
Chemicals and allied products	16,351	16,207	15,770	+0.9	+2.8	-2.7	16,311	15,962	15,582	15,729	+3
Petroleum and coal products	4,058	4,287	4,223	-5.3	+1.5	-1.8	3,837	4,351	4,229	3,353	+14
Rubber and plastics products	7,599	7,638	7,600	-0.5	+0.5	-0.4	7,640	7,571	7,511	7,303	+4
Apparel, printing and publishing and leather goods	9,201	9,278	9,368	-0.8	-1.0	+1.0	9,036	9,067	9,314	8,781	+2
WORK IN PROCESS											
All manufacturing industries	145,067	145,709	145,697	-0.4	0.0	+0.8	140,237	147,898	147,529	139,810	+0
Durable goods industries	112,667	113,191	112,859	-0.5	+0.3	+0.4	108,603	114,556	113,595	109,755	-1
Stone, clay, and glass products	1,938	1,786	1,718	+8.5	+4.0	+2.0	1,829	1,660	1,640	1,465	+24
Primary metals	8,852	8,756	8,786	+1.1	-0.3	-0.4	8,729	8,648	8,715	8,233	+6
Fabricated metal products	9,338	9,323	9,393	+0.2	-0.7	+1.6	9,113	9,377	9,487	8,771	+3
Industrial machinery and equipment	20,527	20,805	20,780	-1.3	+0.1	+2.8	19,598	21,210	20,971	20,146	-2
Electronic and other electrical equipment	13,901	13,765	13,403	+1.0	+2.7	+1.3	13,269	13,684	13,215	13,522	-1
Transportation equipment	41,957	42,469	42,488	-1.2	0.0	-1.1	40,561	43,624	43,305	42,636	-4
Instruments and related products	10,229	10,280	10,269	-0.5	+0.1	+0.5	9,767	10,371	10,228	9,446	+3
Lumber, furniture and miscellaneous durable goods	5,925	6,007	6,022	-1.4	-0.2	-0.5	5,737	5,982	6,034	5,536	+3
Nondurable goods industries	32,400	32,518	32,838	-0.4	-1.0	+2.3	31,634	33,342	33,934	30,055	+5
Food and kindred products	6,370	6,298	6,248	+1.1	+0.8	-2.0	6,709	6,869	6,923	6,658	+0
Tobacco products	120	113	105	+6.2	+7.6	+6.1	132	137	128	127	+3
Textile mill products	2,493	2,464	2,471	+1.2	-0.3	-1.0	2,405	2,453	2,486	2,374	+1
Paper and allied products	1,854	1,874	1,898	-1.1	-1.3	+0.9	1,855	1,820	1,821	1,723	+7
Chemicals and allied products	10,413	10,464	10,230	-0.5	+2.3	+4.9	10,149	10,630	10,337	8,636	+17
Petroleum and coal products	3,196	3,295	3,702	-3.0	-11.0	+9.3	2,994	3,354	3,831	3,050	-1
Rubber and plastics products	2,335	2,227	2,321	+4.8	-4.0	+0.2	2,303	2,247	2,347	2,225	+3
Apparel, printing and publishing and leather goods	5,619	5,783	5,863	-2.8	-1.4	+1.2	5,087	5,832	6,061	5,262	-3
FINISHED GOODS											
All manufacturing industries	184,100	182,701	182,805	+0.8	-0.1	+1.2	177,823	181,961	182,364	162,244	+9
Durable goods industries	97,073	95,950	95,564	+1.2	+0.4	+2.0	93,049	95,236	94,717	81,849	+13
Stone, clay, and glass products	5,344	5,252	5,190	+1.8	+1.2	-0.1	5,226	5,038	4,908	4,881	+7
Primary metals	8,397	8,352	8,381	+0.5	-0.3	+0.2	8,298	8,249	8,222	8,162	+1
Fabricated metal products	12,448	12,409	12,384	+0.3	+0.2	+0.3	11,971	12,142	12,102	11,162	+7
Industrial machinery and equipment	22,123	21,647	21,315	+2.2	+1.6	+3.7	21,469	21,894	21,195	17,711	+21
Electronic and other electrical equipment	15,108	14,625	14,550	+3.3	+0.5	+4.3	14,389	14,758	14,800	11,267	+27
Transportation equipment	11,362	11,358	11,522	0.0	-1.4	+2.0	10,306	11,229	11,451	9,128	+12
Instruments and related products	8,329	8,313	8,255	+0.2	+0.7	+1.2	8,024	8,368	8,365	7,644	+5
Lumber, furniture and miscellaneous durable goods	13,962	13,994	13,967	-0.2	+0.2	+1.0	13,366	13,558	13,674	11,894	+12
Nondurable goods industries	87,027	86,751	87,241	+0.3	-0.6	+0.4	84,774	86,725	87,647	80,395	+5
Food and kindred products	20,248	20,178	20,467	+0.3	-1.4	+0.4	19,878	20,895	21,545	20,797	-4
Tobacco products	664	648	662	+2.5	-2.1	-4.7	705	853	791	522	+35
Textile mill products	4,950	4,996	4,964	-0.9	+0.6	+0.3	4,646	4,858	4,855	4,540	+2
Paper and allied products	7,339	7,324	7,353	+0.2	-0.4	+0.4	7,100	7,205	7,227	6,405	+10
Chemicals and allied products	24,594	24,558	25,067	+0.1	-2.0	+0.4	24,325	24,485	24,708	22,690	+7
Petroleum and coal products	6,802	6,697	6,631	+1.6	+1.0	-1.7	6,486	6,806	6,787	5,338	+21
Rubber and plastics products	8,879	8,753	8,802	+1.4	-0.6	+1.0	8,675	8,534	8,605	7,928	+9
Apparel, printing and publishing and leather goods	13,551	13,597	13,295	-0.3	+2.3	+1.3	12,959	13,089	13,129	12,175	+6

[p] Preliminary [r] Revised

See note at end of Table 2 relating to survey error and revisions.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio[1]			
	Dec 2000[p]	Nov 2000[r]	Oct 2000	Sep 2000	Dec 2000[p]	Nov 2000[r]	Oct 2000	Sep 2000
All manufacturing industries	1.32	1.32	1.31	1.29	2.80	2.75	2.72	2.69
Durable goods industries	1.50	1.49	1.47	1.43	3.27	3.22	3.17	3.14
Stone, clay, and glass products	1.34	1.26	1.19	1.18	0.81	0.79	0.75	0.74
Primary metals	1.72	1.66	1.63	1.60	2.04	1.98	1.96	1.94
Fabricated metal products	1.68	1.66	1.63	1.62	1.38	1.36	1.34	1.33
Industrial machinery and equipment	1.52	1.48	1.46	1.44	2.25	2.26	2.22	2.24
Electronic and other electrical equipment	1.16	1.18	1.16	1.11	2.37	2.46	2.45	2.45
Transportation equipment	1.53	1.53	1.52	1.43	10.53	10.09	10.26	9.59
Instruments and related products	1.85	1.85	1.83	1.80	3.19	3.18	3.16	3.11
Nondurable goods industries	1.11	1.11	1.11	1.11	0.65	0.65	0.64	0.65
Food and kindred products	0.87	0.88	0.89	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.11	1.19	1.21	1.26	(X)	(X)	(X)	(X)
Textile mill products	1.69	1.70	1.67	1.67	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.21	1.21	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.39	1.40	1.39	1.39	(X)	(X)	(X)	(X)
Petroleum and coal products	0.69	0.68	0.71	0.71	(X)	(X)	(X)	(X)
Rubber and plastics products	1.36	1.33	1.32	1.31	(X)	(X)	(X)	(X)

[p] Preliminary [r] Revised

(X) Not Applicable (NA) Not Available

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Dec[1] 2000	Dec[2] 1995-1999	Dec 1999-Nov 2000	Dec[1] 2000	Dec[2] 1995-1999	Dec 1999-Nov 2000	Dec[1] 2000	Dec[2] 1995-1999	Dec 1999-Nov 2000	Dec[1] 2000	Dec[2] 1995-1999	Dec 1999-Nov 2000
All manufacturing industries	(X)	0.2	0.1	(X)	-0.1	-0.1	(X)	-0.2	-0.1	(X)	0.0	0.0
Durable goods industries	0.3	0.1	0.1	-0.1	-0.5	-0.2	0.3	-0.2	-0.1	(X)	0.0	0.0
Stone, clay, and glass products	(X)	1.4	0.5	(X)	0.8	0.5	(X)	-0.4	0.0	(X)	-0.1	-0.1
Primary metals	-0.2	-0.3	-0.1	-0.4	0.2	0.1	-0.1	0.2	0.1	(X)	0.0	-0.1
Fabricated metal products	(X)	0.4	0.1	(X)	0.3	0.0	(X)	-0.1	-0.1	(X)	0.5	0.0
Industrial machinery and equipment	1.7	0.1	0.0	1.7	-0.1	-0.3	0.1	-0.2	-0.2	(X)	-0.1	-0.1
Electronic and other electrical equipment	-0.4	0.6	-0.1	-1.6	1.1	-0.2	-0.3	-0.3	0.0	(X)	0.2	0.1
Transportation equipment	0.5	-0.1	0.2	-0.9	-2.7	-0.4	0.7	-0.4	-0.1	(X)	-0.1	0.1
Instruments and related products	(X)	-0.6	0.1	(X)	-0.7	-0.6	(X)	0.1	-0.2	(X)	0.2	0.1
Nondurable goods industries	(X)	0.3	0.0	(X)	0.3	0.0	(X)	0.2	0.1	(X)	0.0	-0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.1	0.1
Tobacco products	(X)	-1.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-0.3	-0.2
Textile mill products	(X)	0.5	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.0
Paper and allied products	(X)	0.1	-0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	-0.1
Chemicals and allied products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	-0.1
Petroleum and coal products	(X)	0.2	-0.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	-0.8
Rubber and plastics products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Capital goods industries:												
Nondefense	1.2	0.4	0.1	0.1	-1.1	-0.5	0.7	-0.3	-0.1	(X)	0.0	0.0
Defense	0.4	0.4	-0.2	1.4	-8.5	-1.6	0.1	-0.4	-0.1	(X)	-0.9	0.0

) Not Applicable (NA) Not Available

)TE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and al estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The vance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

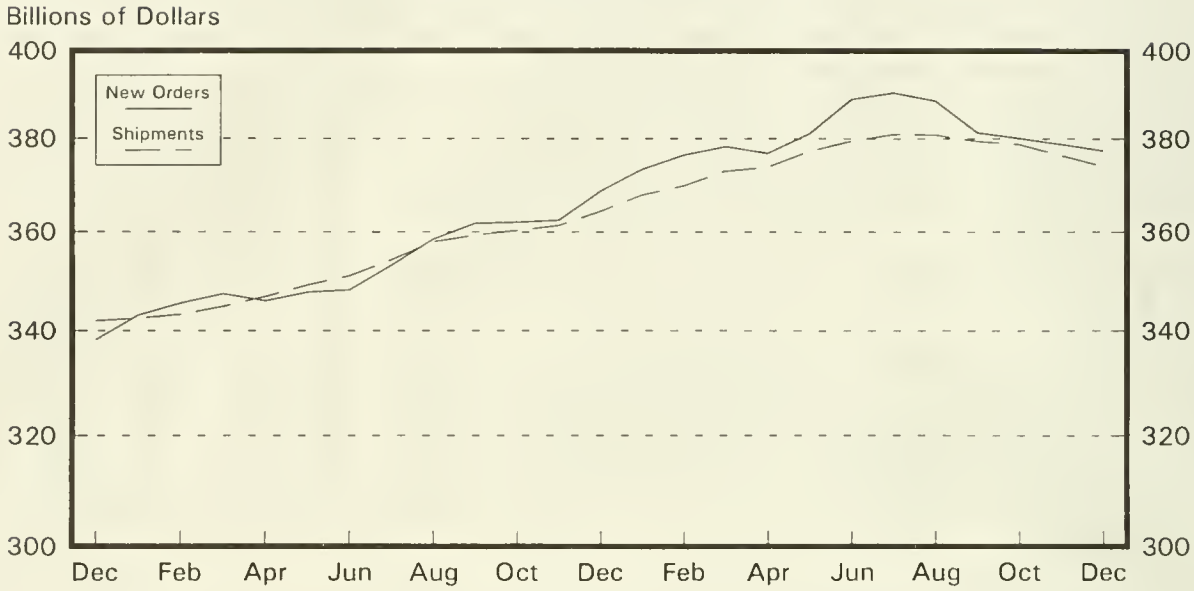
The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

Average for this month for the last five years.

e note at end of Table 2 relating to survey error and revision. In Table 9, the second column for each item represents the average revisions the current month for the past five years.

Total Manufacturing

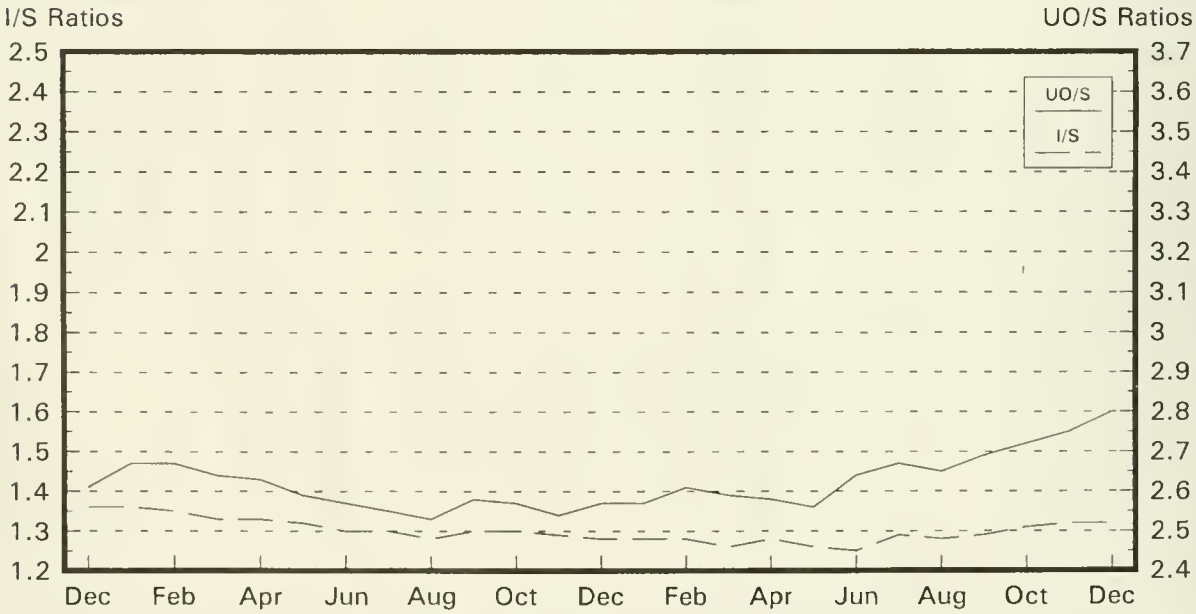
New Orders and Shipments
Three Month Moving Averages



Dec. 1998 - Dec. 2000

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

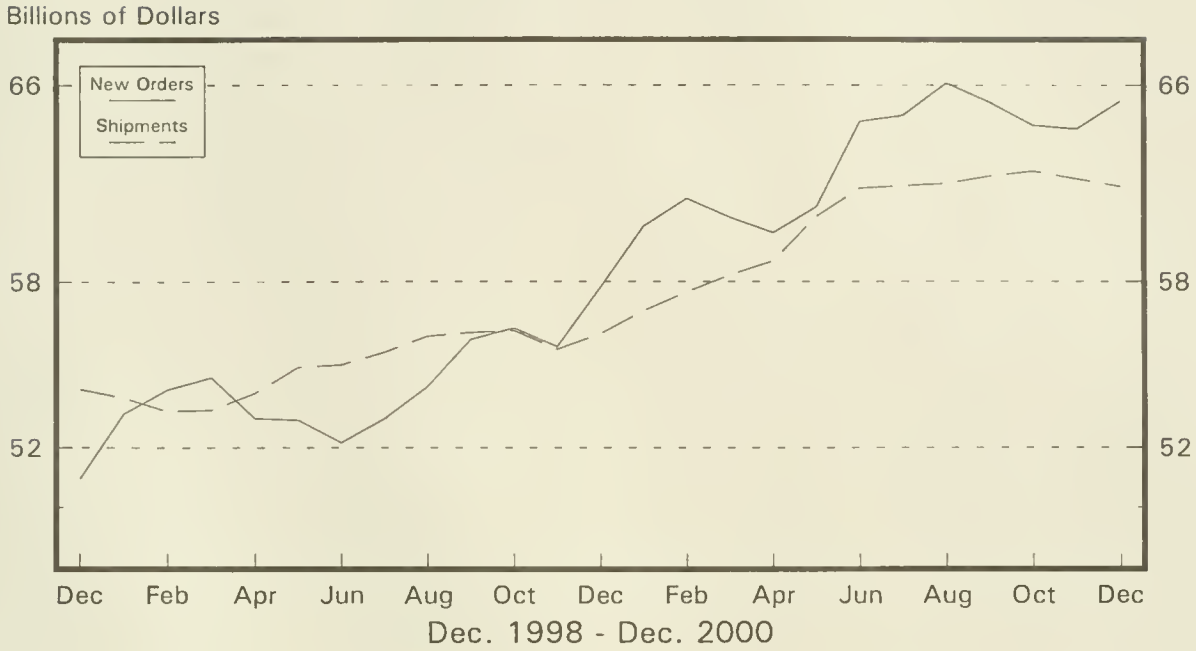


Dec. 1998 - Dec. 2000

Note: All Charts based on seasonally adjusted current dollars.

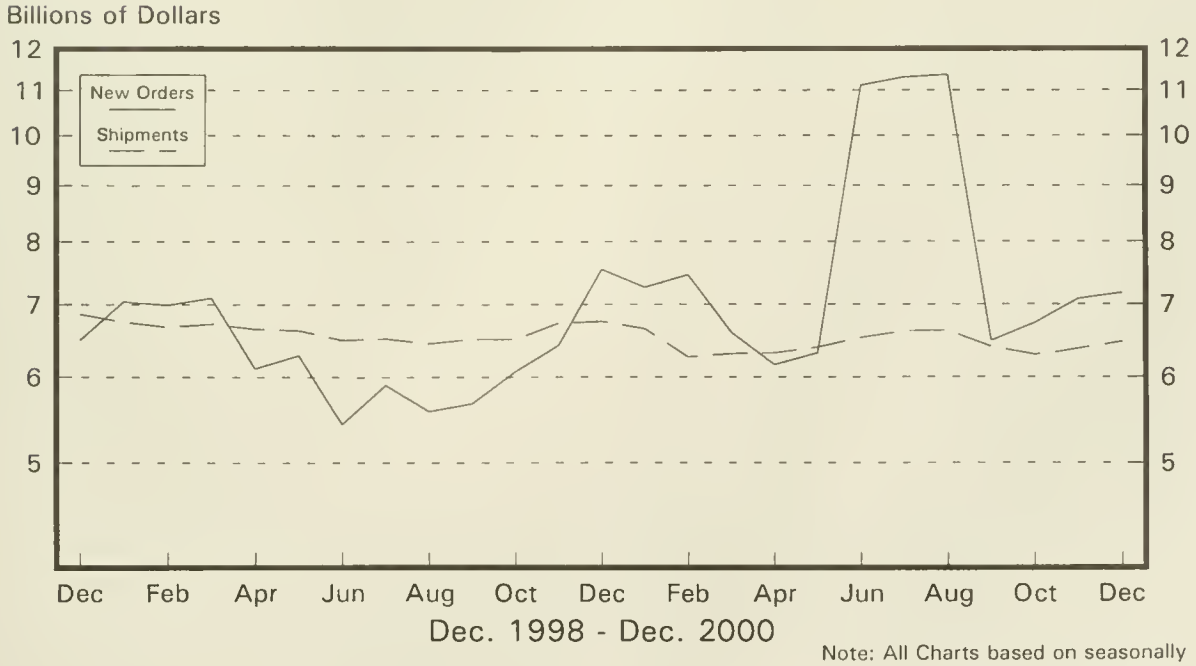
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

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